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U. S. Department of Agriculture

Gould's

40th YEAR

SEED ANNUAL



CONSERVATORY AND LILY POND
COMO PARK - ST. PAUL

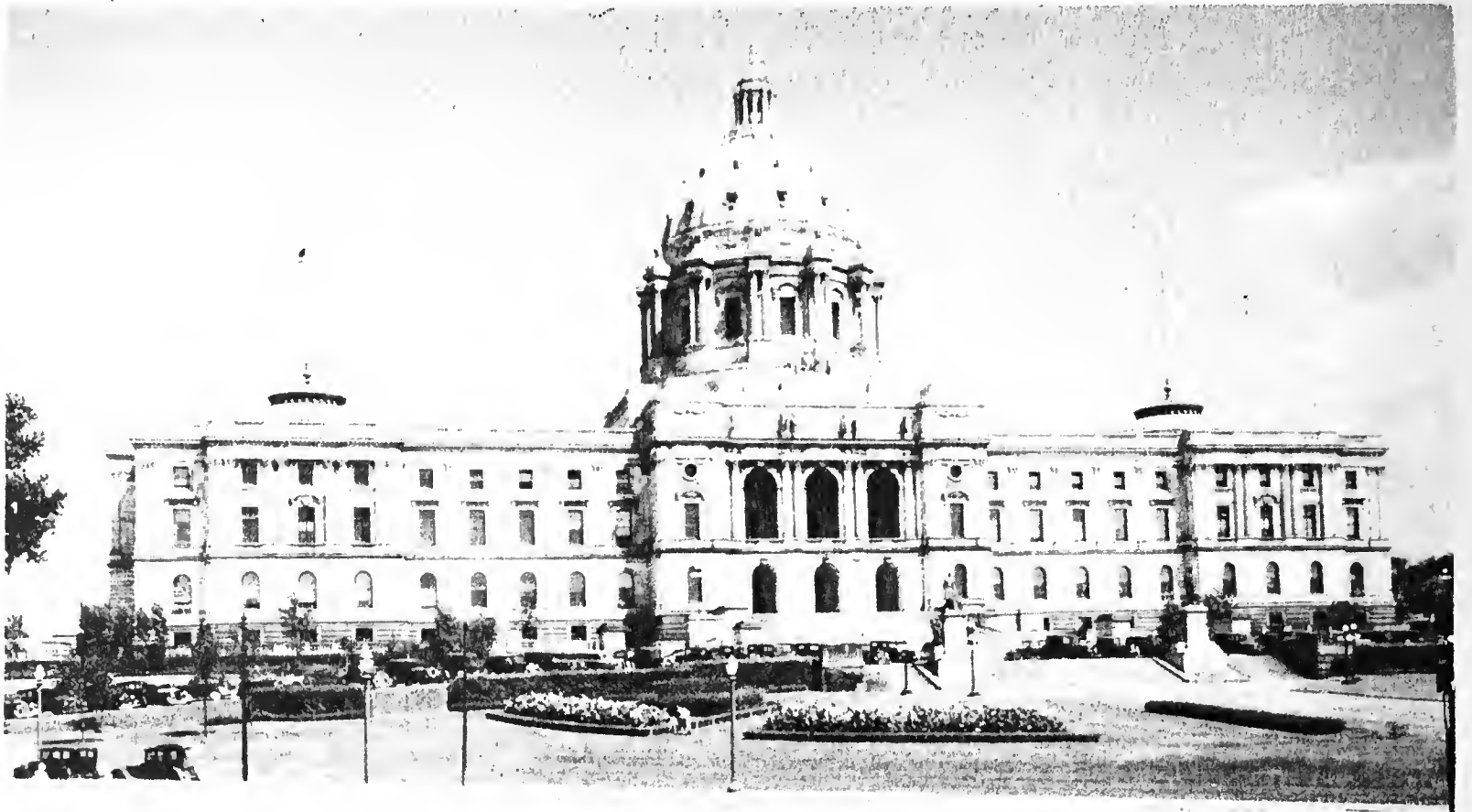
R. L. GOULD & COMPANY

Seedsman Since 1898

496-502 JACKSON ST.

PHONE
GARFIELD 5377

SAINT PAUL, MINN.



BEAUTIFUL MINNESOTA STATE CAPITOL
Lawn seeded with Gould's Reliable Lawn Seed.

Prices Quoted
Are Not Postpaid

LAWN GRASS SEED

Include Postage
With Mail Orders

Gould's Reliable Lawn Grass Seed

A fine lawn is the most important feature of the home grounds. A beautiful lawn not only adds to the value of the home but imparts an air of dignity and refinement. Nothing sets off the house so well as a properly-made, well-kept lawn.

Made right at the beginning with Gould's Reliable Grass Mixture, you have the best seed that money can buy, in establishing a permanent, velvety lawn—a lawn that you will be proud of. It will be easy to maintain and need a minimum of care. Also splendid for re-newing thin or worn-out areas.

To maintain a good lawn, the regular feeding of fertilizer is necessary in spite of all the seed you may apply. Otherwise the lawn will gradually starve for want of plantfood and take on a lifeless appearance; easily subject to winter-killing. Good seed and regular feeding will do wonders in keeping the lawn fresh and green. See special fertilizer page for lawn fertilizers.

Gould's Reliable Grass Mixture is the result of our many years of experience in the mixing of different grass seeds that will produce a quick and thick permanent sod of deep-rooting grasses to withstand our Northern winters. Gould's Reliable Lawn Grass Seed is composed of clean, heavy seed of the highest purity and vitality. For new lawn, sow at the rate of 1 lb. to 200 square feet.

1 lb.	\$0.45	5 lbs.	\$1.75	50 lbs.	\$15.00
2 lbs. ....	.85	10 lbs.	3.40	100 lbs.	29.00
3 lbs.	1.20	25 lbs.	8.00		

Como Park Lawn Grass Seed

This is a mixture of re-cleaned seed for those who want a good low-priced lawn seed. Como Park is not as high grade as Gould's Reliable Lawn Seed but is a good mixture at the price. It will grow quickly and form a permanent sod. Sow at the rate of 1 lb. to 150 square feet, for new lawn. 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$2.00; 25 lbs. \$4.75; 50 lbs. \$9.25; 100 lbs. \$18.25.

Semesan and Nugreen will control Brown Patch in bent and other lawns. See page 49 for prices.

Home Lawn Grass Seed

A mixture of grasses similar to Como Park. Seed at the rate of 1 lb. to 150 square feet, for new lawn. 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$2.00; 25 lbs. \$4.75; 50 lbs. \$9.25; 100 lbs. \$18.25.

Seaside Bent

Seaside is a constant surface creeping variety. It is of a rather bright green color, and does not grow very tall because of its trailing habit of growth. It spreads rapidly and forms a mat-like sod quickly. Sow at the rate of 3 lbs. to 1000 square feet. 1 lb. \$1.00; 5 lbs. \$4.75; 10 lbs. \$9.00; 25 lbs. \$21.50; 100 lbs. \$80.00. Postage extra.

Astoria Bent

The Astoria Bent produces underground creepers, usually by Rhizomes, several inches deep, and has considerable more upright growth than the Seaside. The grass is somewhat longer and not as wide and of a darker green color. Is better suited to well drained soils. Seed at the rate of 3 lbs. to 1000 square feet, for new lawn. 1 lb. \$1.15; 2 lbs. \$2.20; 5 lbs. \$5.00; 10 lbs. \$9.50; 25 lbs. \$22.50; 100 lbs. \$82.50. Postage extra.

CREEPING BENT GRASS PLUGS

One of few hybrid strains of Bent Grass that is perfectly hardy here in the Northwest. Needs only ordinary care. These Bent sod plugs should be planted one foot apart. In about 3 to 4 months they will spread and make a solid, deep green turf. One carton plants 100 square feet.

1 carton of 100 Bent Grass Plugs \$1.15.

5 cartons \$5.00; 10 cartons \$9.00.

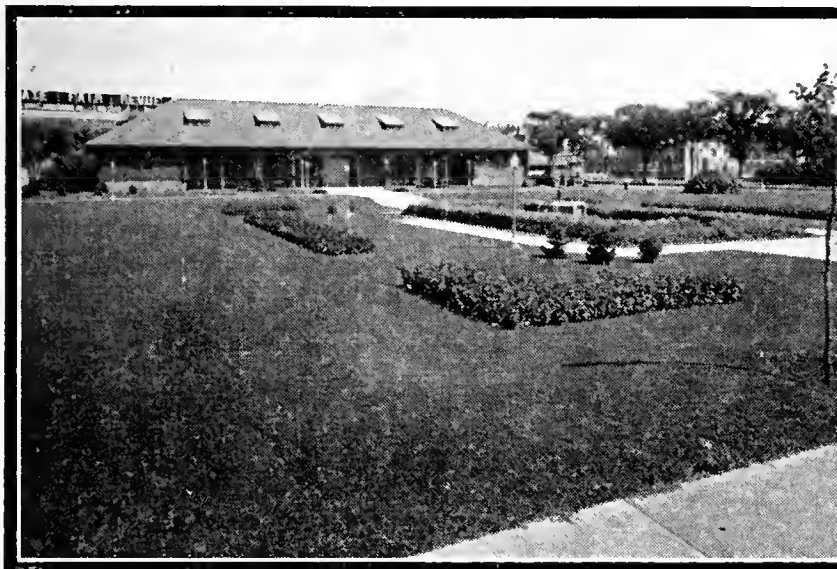
Full directions for planting and care on carton.

Special Lake Shore Mixture

This mixture is especially desirable for lake shores and around summer cottages where it is not always possible to give the best of care in establishing a lawn. Seed at the rate of 1 lb. to 200 square feet, of new lawn.

1 lb.	\$0.30	5 lbs.	\$1.40	25 lbs.	\$6.50
2 lbs. ....	.60	10 lbs.	2.75	100 lbs.	24.00

Two Fine Institutions Whose Lawns Are Greatly Admired



New Conservation Building, Minnesota State Fair, Grounds Seeded with Gould's Reliable Lawn Seed



Beautiful Bethesda Hospital, St. Paul, Grounds Seeded with Gould's Reliable Lawn Seed

Gould's Shady Lawn Grass

For seeding under trees and shaded areas. Where trees or houses shade the lawn the greater part of the day and keep out the sun, it is a problem to get grass to grow. Growing grass in shaded places seems at times almost hopeless, but this is often due to planting the wrong kind of seed. Ordinary grass seed mixtures will not make a good growth in places where there is little or no direct sunlight. In Gould's Shady Lawn Grass we have combined a special mixture of those varieties of grass seeds that do well in the shade. One must keep in mind that lawns in shaded places require more fertilizer than do lawns in sunny places, especially where there are many trees and the ground becomes impoverished by a network of surface roots. Sow Gould's Shady Lawn Grass Seed at the rate of 1 pound to 200 square feet to produce a thick heavy sod.

1 lb.....\$0.55	5 lbs.....\$2.25	25 lbs.....\$10.00
2 lbs..... 1.00	10 lbs..... 4.25	100 lbs..... 38.00
3 lbs..... 1.50		

Gould's Special Shade Mixture (with Bent)

This is a very fancy mixture of imported grasses and Creeping Bent, specially suited for densely shaded areas where ordinary grasses will not grow. Lawns seeded with Gould's Special Shade Mixture have attracted a great deal of attention and brought much praise.

½ lb.....\$0.40	3 lbs.....\$2.10	25 lbs.....\$16.25
1 lb..... .75	5 lbs..... 3.40	100 lbs..... 60.00
2 lbs..... 1.45	10 lbs..... 6.60	

Gould's Terrace Lawn Seed

For embankments, terraces and steep hillsides.

A variety of grasses that grow long, strong, spreading roots so as to withstand heavy rains from washing out the sod or soil. Gould's Terrace Mixture is especially prepared for sowing on terraces, embankments and steep hillsides. The deep-rooted grasses not only prevent heavy rains from washing it out, but also resist drought to a marked degree. Seeds in this splendid mixture grow fast and produce a quicker sod than ordinary grasses do. The terrace should have an extra heavy sod, therefore seed should be sown heavier than recommended for regular mixtures.

1 lb.....\$0.55	5 lbs.....\$2.25	25 lbs.....\$10.00
2 lbs..... 1.00	10 lbs..... 4.25	100 lbs..... 38.00
3 lbs..... 1.50		

Lawns Need Fertilizer

Beautiful lawns require proper care to keep them at their best. Cutting is a constant drain on lawn grasses and the beauty and health of your lawn is to a large extent dependent on the kind and amount of fertilizer or plant food you apply. See special fertilizer pages in this book for lawn fertilizers.

LAWNS. By F. F. Rockwell. It tells how to lay out the lawn, grade, fertilize, plant, care for it after planting, control weeds and pests, remake and repair old lawns. 39 illustrations, 87 pages. \$1.35, postpaid.

White Dutch Clover

This is the best small leaved clover for lawns. Makes a close, compact growth and remains green throughout the season. Clover takes nitrogen from the air and adds humus and nitrogen to the soil. Does well on all soils. Especially valuable in lawns that cannot be watered regularly. ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 3 lbs., \$1.75; 5 lbs., \$2.75; 10 lbs., \$5.35; 25 lbs., \$13.00; 100 lbs., \$50.00. Postage extra on mail orders.

Kentucky Blue Grass

This hardy perennial grass is one of the very best for our Northern climate and the base for most good lawn seed mixtures. Forms a dense sod but is very slow to germinate. It is advisable to mix red top or rye grass with Blue Grass when sowing, to act as a nurse crop. In established lawns Blue Grass can be sown alone. 1 lb., 35c; 2 lbs., 65c; 3 lbs., 95c; 5 lbs., \$1.50; 10 lbs., \$2.90; 25 lbs., \$6.75; 100 lbs., \$24.00.

Poa Trivialis

A fine bladed perennial grass of the Blue Grass family that thrives in the shade. 1 lb., 75c; 2 lbs., \$1.40; 5 lbs., \$3.40; 10 lbs., \$6.75.

Red Top

Makes an excellent sod but is not as permanent as Blue Grass when clipped close. Germinates quickly and for that reason makes an excellent nurse crop to sow with Blue Grass. 1 lb., 35c; 2 lbs., 65c; 3 lbs., 95c; 5 lbs., \$1.50; 10 lbs., \$2.90; 25 lbs., \$6.75; 100 lbs., \$24.00.

Rye Grass

A quick growing Perennial grass that makes a green lawn in a short time. Does not live as long as Blue Grass. Used mostly as a nurse crop. 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.90; 25 lbs., \$4.50; 100 lbs., \$17.00.

SOD

We do sodding or can supply you with sod. Let us give you an estimate.

Nutria Peat Moss

For lawns and gardens.

Nutria Peat is a high lime granulated peat, clean, odorless and pleasant to work with. It is an excellent soil builder. It will lighten clay or heavy soils and build up sandy or light soils. It conditions and changes otherwise poor soil into one of rich, mellow texture. Nutria Peat Moss will hold 15 times its weight in moisture, thus soil does not dry out as quickly and needs less watering. Makes an excellent top dressing for new or old lawns. Peat is also valuable to use in the garden to give the soil that mellow texture and prevent crusting. Is almost as cheap as ordinary black earth. Large bag, 90c; 2 bags, \$1.50; 3 bags, \$2.00; 2 cubic yard load (equal to 20 bags), \$5.00, delivered within the city limits of St. Paul.

Black Earth

Genuine, University tested, high mineral earth. Load, more than two yards, \$4.00; delivered in St. Paul.



Gould's enlarged Retail Seed Store. Twenty-five per cent more floor space has been added in order to serve our customers more quickly and efficiently.

Prices All prices quoted are subject to change without notice. Prices on field and grass seed fluctuate so during the season that no values are printed in this catalog. During the season, we issue special price lists which will be mailed to anyone on request, giving latest market quotations on the above mentioned seeds. Cackler with latest poultry feed prices is issued at intervals. A special fall list is also issued about the middle of September, giving prices on imported tulip and other Dutch and French bulbs, for autumn planting.

Disclaimer As seeds, plants and bulbs are subject to climatic and other conditions over which we have no control, R. L. Gould & Company therefore give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, plants or bulbs that they send out, and they will not be in any way responsible for the crop; and every order for articles named in this catalog will be executed on these conditions only. If the purchaser does not accept same on these terms, they are to be at once returned.

GOULD'S PLANTING CHART FOR THE SMALL VEGETABLE GARDEN

NOTE—*Denotes the quantity of seed that should raise sufficient plants to transplant into a row 100 feet long. The seed should be sown in lotbed from February to March, and later sown in a cold frame, or sow the seed in a well-prepared seedbed in the open when danger from frost has passed.

Variety	Seed required for 100 ft. row	Plant rows apart	Plants apart in rows	Time of planting in open ground	Matures in about
Asparagus, Seed.....	2 ozs.	1 to 2 ft.	3 to 5 in.	Early spring	3 to 4 years
Asparagus Plants.....	60 plants	30 to 36 in.	18 in.	Early spring	1 to 3 years
Beans, Bush.....	1 lb.	15 to 24 in.	2 to 3 in.	April to July	40 to 65 days
Beans, Pole.....	½ lb.	3 to 4 ft.	3 to 4 ft.	May and June	50 to 80 days
Beets.....	2 ozs.	12 to 16 in.	3 to 4 in.	April to Aug.	60 to 80 days
*Brussels Sprouts.....	1 pkt.	24 to 30 in.	16 to 24 in.	May and June	90 to 120 days
*Cabbage, Early.....	1 pkt.	24 to 30 in.	12 to 18 in.	March and Apr.	90 to 130 days
*Cabbage, Late.....	1 pkt.	24 to 36 in.	16 to 24 in.	May and June	90 to 130 days
Carrot.....	½ oz.	12 to 15 in.	3 to 4 in.	April to June	75 to 110 days
*Cauliflower.....	1 pkt.	24 to 30 in.	24 to 30 in.	April to June	100 to 130 days
*Celeriac.....	1 pkt.	14 to 24 in.	2½ to 3 in.	May and June	100 to 150 days
*Celery.....	1 pkt.	6 in.	4 to 8 in.	May and June	120 to 150 days
Corn, Sweet.....	¼ lb.	30 to 36 in.	15 to 24 in.	May to July	60 to 100 days
Cucumber.....	1 pkt.	4 to 6 ft.	4 to 6 ft.	April to July	60 to 80 days
*Eggplant.....	1 pkt.	24 to 36 in.	24 to 30 in.	April and May	100 to 140 days
Endive.....	½ oz.	18 in.	8 to 12 in.	April to July	90 days
*Kale, or Borecole.....	1 pkt.	18 to 24 in.	18 to 24 in.	August	90 to 120 days
*Kohl Rabi.....	1 pkt.	15 to 24 in.	6 to 8 in.	March to May	60 to 80 days
Leek.....	½ oz.	12 to 16 in.	4 to 8 in.	March to May	120 to 180 days
Lettuce.....	1 pkt.	10 to 15 in.	6 in.	March to Sept.	60 to 90 days
Melon, Musk.....	1 pkt.	6 to 8 ft.	Hills, 6 ft.	April to June	120 days
Melon, Water.....	1 oz.	8 ft.	Hills, 6 ft.	May and June	100 to 120 days
Mustard.....	1 pkt.	12 in.	3 in.	March to May	60 to 90 days
New Zealand Spinach.....	1 oz.	24 to 36 in.	12 to 18 in.	Early spring	60 to 100 days
Okra, or Gumbo.....	2 ozs.	3 to 4 ft.	24 to 30 in.	May and June	90 to 140 days
Onion Seed.....	½ oz.	12 to 18 in.	1½ in.	April and May	130 to 150 days
Onion Sets.....	2 qts.	12 in.	1½ to 2 in.	Feb. to May	30 to 60 days
Parsley.....	1 pkt.	12 to 14 in.	6 in.	Early spring	90 to 120 days
Parsnip.....	½ oz.	18 in.	3 in.	April and May	160 days
Peas.....	1 lb.	15 to 18 in.	2 in.	March to June	50 to 80 days
*Pepper.....	1 pkt.	24 to 36 in.	15 in.	May and June	100 to 140 days
Potato, Irish.....	½ peck	24 to 36 in.	15 in.	March to June	80 to 140 days
Pumpkin.....	1 pkt.	8 to 10 ft.	Hills, 8 ft.	May to July	100 to 140 days
Radish.....	1 oz.	6 to 12 in.	2 in.	March to Sept.	20 to 40 days
Rhubarb Plants.....	33 plants	3 to 5 ft.	3 ft.	Early spring	1 to 3 years
Rutabaga.....	1 pkt.	18 to 24 in.	6 to 8 in.	May and June	60 to 80 days
Salsify.....	1 oz.	18 to 24 in.	4 in.	Early spring	120 to 180 days
Spinach.....	1 oz.	12 to 18 in.	4 in.	Early spring	30 to 60 days
Squash, Bush.....	1 pkt.	3 to 4 ft.	Hills, 3 to 4 ft.	April to June	60 to 80 days
Squash, Late.....	1 pkt.	7 ft.	Hills, 7 ft.	April to June	120 to 160 days
Swiss Chard.....	1 oz.	16 in.	12 in.	April	60 days
*Tomato.....	1 pkt.	3 to 4 ft.	18 in.	May and June	100 to 140 days
Turnip.....	1 pkt.	18 in.	3 in.	April to July	60 to 80 days
Witloof Chicory, or French Endive..	½ oz.	12 to 15 in.	3 to 4 in.	April and May	Fall and Winter

PARCEL POST RATES FROM ST. PAUL

All seeds, plants, bulbs and roots take the pound rate on packages weighing over 8 ounces. On 8 ounces or less, the rate is 1c for each 2 ounces, regardless of distance. All goods except seeds, bulbs, roots and plants take pound rates on packages weighing over 8 ounces. On 8 ounces or less, rate is 1½ cents for each 2 ounces for any distance.

Lbs.	Miles from St. Paul					
	50	150	300	600	1,000	1,400
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
1	\$.08	\$.08	\$.09	\$.10	\$.11	\$.12
2	.10	.10	.11	.14	.17	.19
3	.11	.11	.13	.17	.22	.26
4	.12	.12	.15	.21	.27	.33
5	.13	.13	.17	.24	.33	.40
6	.14	.14	.19	.28	.38	.47
7	.15	.15	.21	.31	.43	.54
8	.16	.16	.23	.35	.49	.61
9	.17	.17	.25	.38	.54	.68
10	.18	.18	.27	.42	.59	.75
11	.19	.19	.29	.45	.64	.82
12	.21	.21	.31	.49	.70	.89
13	.22	.22	.33	.52	.75	.96
14	.23	.23	.35	.56	.80	1.03
15	.24	.24	.37	.59	.86	1.10
16	.25	.25	.39	.63	.91	1.17
17	.26	.26	.41	.66	.96	1.24
18	.27	.27	.43	.70	1.02	1.31
19	.28	.28	.45	.73	1.07	1.38
20	.29	.29	.47	.77	1.12	1.45

For each additional pound, add 1.1c in the first and second zones; 2c in the third; 3.5c in the fourth; 5.3c in the fifth; 7c in the sixth zone. Weight limit, 70 lbs. in any zone.

ASPARAGUS SEED

CULTURE. To start an asparagus bed from seed, sow 1 oz. to 50 feet of row early in the spring and transplant roots to permanent bed the following spring.

Mary Washington★

The best of the rust-resistant varieties introduced by the U. S. Department of Agriculture. A very vigorous grower, producing large succulent stalks of excellent quality. State Agricultural Colleges throughout the country recommend the Mary Washington as the best variety for the home or market gardener. Shoots color to a dark green with purple shades at tip.

Palmetto★

Plants are vigorous in growth, producing large, thick, dark green shoots with a distinctly pointed tip.

Asparagus Roots Listed on Page 44.

ASPARAGUS AND ARTICHOKE PRICES

Asparagus	Pkt.	Oz.	¼ lb.	1 lb.
Mary Washington	5c	10c	30c	75c
Palmetto	5c	10c	30c	75c
Artichoke				
Green Globe	10c	60c	1.75	

Market Gardeners and Florists

We do not issue a separate Market Gardener's catalog and price list, but you will note that we list larger amounts than the small gardener buys, and these quantity prices are intended for the market gardener. Special flower seed prices list for florists will be sent on request.

BEANS

CULTURE. To obtain a continuous supply of beans throughout the season, make plantings every two weeks from about May 10th to July 1st. Beans should be planted in rows 15 to 18 inches apart, thinning in the row to 3 or 4 inches apart. Do not cultivate or pick beans when plants are moist from dew or rain as this causes the spread of rust or Anthracnose, thereby curtailing the production. Plant about 1 to 2 inches deep depending upon the condition of the soil.

DWARF WAX VARIETIES

Gould's Reliable Black Wax★

This is an ideal early wax bean for the market. The pods are 6½ inches long, flat, straight and stringless. It is a good yielder and attractive.

Gould's Reliable Kidney Wax

An excellent early round podded variety for the home garden and canning. It is very tender and absolutely stringless. The seed is white kidney-shaped with a brownish black eye. The vines yield abundantly.

Currie's Rust Proof Black Wax★

Very early and a good yielder. The pods are large, flat and straight, free from rust and of excellent quality. A very popular variety among market gardeners because of its hardiness and attractive appearance.

Improved Golden Wax

A well known standard variety. Bears an abundance of large flat pods slightly curved. The seed is mottled brown and white, rust-resisting to a marked degree and one of the earliest.

Pencil Pod Black Wax

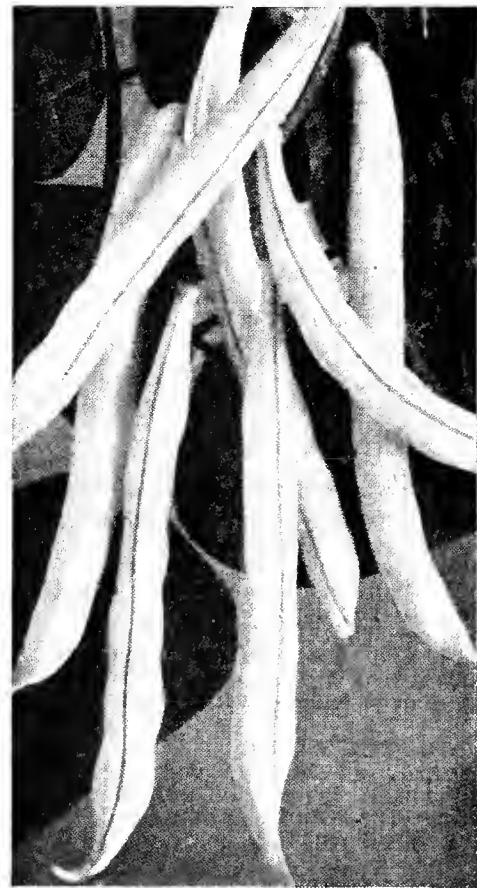
One of the better round podded varieties; very early and prolific, stringless and of excellent quality. A very popular bean among both home and market gardeners.

Davis Kidney Wax

A most hardy and productive wax bean. The bean is pure white, of kidney shape, producing a large flat straight pod of fine appearance.

Unrivalled, or Everbearing Wax★

A hardy and prolific mid-season variety. The vines are small and compact, producing a heavy crop of handsome, pale yellow long semi-round pods of highest quality.



Beans best suited for market gardeners are starred★

Gould's Reliable Kidney Wax Beans

DWARF GREEN PODDED VARIETIES

Bountiful★

This is one of the very earliest of the green podded beans. The pods are large, flat and slightly curved, of a light green color and stringless. Is very hardy and continues to bear for several weeks.

Stringless Green Pod

The finest green pod, stringless bean. The earliest and hardiest of all green-podded sorts and produces large, handsome pods, some of which measure fully six inches in length. The plants are very productive, bearing profusely the beautiful green pods, which are perfectly round, straight, broad, tender, brittle, finest flavor, very fleshy and entirely stringless.

Giant Stringless Green Pod★

An excellent variety to follow Stringless Green Pod, being later and larger. Plants are strong, pods round, meaty and brittle.

Full Measure★

A very fine round stringless green podded bean. The pods are long and straight, showing depressions around the beans, which are round and tender. Yields abundantly. We recommend it for home or market gardener.

Refugee or 1000 to 1★

A very productive, hardy, late variety. Pods are long, semi-round and slender, very much in demand for late pickling.

Stringless Refugee Green Pod★

A late variety, very desirable for canning and the home garden. Pods 5½ inches long, round, slightly curved and stringless.

Longfellow★

An early round long slender green pod, very tender and brittle when not too old. Very desirable for canning, having no strings when broken.

Black Valentine★

Pods are long, nearly round and straight, very attractive in appearance and of good quality. Vines are very hardy and vigorous, producing an excellent bean for shipping.

Stringless Black Valentine

Similar to Black Valentine in general characteristics except that the pods are slightly more oval in shape and are entirely free from strings, making it especially desirable for the home garden.

FERTILIZER. The application of about 300 pounds of 6-15-9 or any other good commercial fertilizer per acre will increase the yield and advance maturity to a great extent on beans.

PRICE LIST OF BEANS

	Pkt.	1/2 lb.	1 lb.	2 lb.	10 lb.	100 lb.
DWARF WAX						
Gould's Reliable Black..	10c	20c	35c	50c	\$2.00	\$17.00
Gould's Reliable Kidney	10c	20c	35c	60c	2.50	25.00
Currie's Rust Proof						
Black Wax	10c	20c	35c	50c	2.00	17.00
Davis Kidney Wax....	10c	20c	35c	50c	1.75	15.00
Pencil Pod Black Wax..	10c	20c	35c	50c	2.00	17.00
Improved Golden Wax..	10c	20c	35c	50c	1.75	15.00
Wardwell's Kidney Wax	10c	20c	35c	50c	1.75	15.00
Unrivalled or Everbear-						
ing Wax	10c	20c	35c	50c	1.75	15.00
DWARF GREEN POD						
Bountiful	10c	20c	35c	50c	1.75	15.00
Stringless Green Pod...	10c	20c	35c	50c	1.75	15.00
Full Measure	10c	20c	35c	50c	1.75	15.00
Refugee or 1000 to 1....	10c	20c	35c	50c	1.75	15.00
Stringless Refugee Green						
Pod	10c	20c	35c	50c	1.75	15.00
Longfellow	10c	20c	35c	50c	1.75	15.00
Black Valentine	10c	20c	35c	50c	1.75	15.00
Stringless Black Valen-						
tine	10c	20c	35c	50c	1.75	15.00
Giant Stringless Green						
Pod	10c	20c	35c	50c	1.75	15.00

25 lbs. and up @ 100-lb. rate.

	Pkt.	1/2 lb.	1 lb.	2 lb.	10 lb.	100 lb.
POLE BEANS						
King of the Garden Lima.....	10c	20c	35c	50c	2.00	
Large White Lima.....	10c	20c	35c	50c	2.00	
Lazy Wife	10c	20c	35c	50c	2.00	
Kentucky Wonder or Old						
Homestead	10c	20c	35c	50c	2.00	
Kentucky Wonder Wax	10c	20c	35c	50c	2.00	
Scarlet Runner	10c	25c	45c	75c	3.00	
Siebert's Early Pole Lima.....	10c	20c	35c	60c	2.50	
DWARF OR BUSH LIMA						
Burpee's Imp. Bush Lima.....	10c	20c	35c	50c	2.00	
Henderson's Bush	10c	20c	35c	50c	2.00	
Fordhook Bush	10c	20c	35c	50c	2.50	
Broad Windsor	10c	25c	50c	1.00	4.00	

3 lbs. and up @ 10-lb. rate.

	Pkt.	1/2 lb.	1 lb.	10 lb.	50 lb.
FIELD BEANS					
Choice Navy	10c	20c	1.50	5.50	
Great Northern Navy	10c	20c	1.50	5.50	
Brown or Swedish.....	15c	25c	1.60	7.00	
Boston Yellow Eye	15c	25c	1.60	7.00	

3-10 lbs. @ 10-lb. rate—11 lbs. and up @ 50-lb. rate.

LIMA BEANS

Burpee's Improved Bush Lima★

This is by far the most popular of the Bush Lima type. The bushes grow from 18 to 24 inches high of stout, erect growth, forming bushes of two to three feet in diameter. The pods are frequently borne in clusters of 5 to 8, each containing 4 or 5 large, white beans.

Henderson's Bush

A vigorous hardy, very early and small type of Bush Lima. Beans are small, white and of very good quality.

Fordhook Bush★

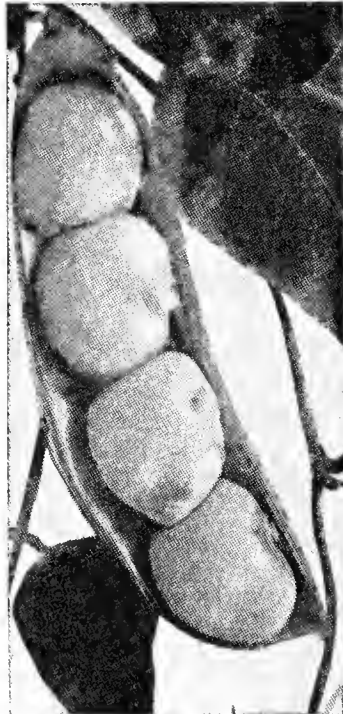
A most excellent variety that is exceedingly popular with market gardeners. The pods are about 5 inches long, each having 4 or 5 large, oval-shaped, white beans of fine quality.

Siebert's Early Pole Lima★

Early and very productive. Pods are thin and contain four large white beans of finest quality.

King of the Garden Pole Lima★

The vines are very vigorous and prolific. Pods are of large size filled with 4 or 5 large white beans of very fine quality. The beans are easily shelled and of handsome appearance. A popular market garden variety.



Burpee's Improved Bush Lima

PRICE LIST OF BROCCOLI AND BRUSSELS SPROUTS

	Pkt.	Oz.	1/4 lb.	1 lb.
BRUSSELS SPROUTS				
Perfection	10c	25c	75c	2.50
BROCCOLI				
Early Green Sprouting Calabrese...	10c	25c	80c	2.50

POLE BEANS

CULTURE. Beans being very tender and delicate when coming out of the ground and also very quick in making their appearance after being planted, care should be taken not to plant while there is still danger of frost, May 10th to 25th is, as a rule, the best time for bean planting. Pole beans require better soil than the dwarf varieties owing to the longer period required to produce the stalks and pods. Plant 6 seeds in a hill, 2 inches deep and set poles 3 feet apart each way.

Lazy Wife

So named on account of the large number of pods, making it easy to obtain a mess. One of the best varieties for snaps of the large late green-podded pole beans. The pods grow in large clusters, are 5 to 7 inches long, broad, thick, fleshy and stringless. They have a rich buttery flavor. The dry bean is also fine for winter use.

Kentucky Wonder or Old Homestead

This climbing variety is very vigorous and productive and bears its pods in



Stringless Green Pod Beans See Page 3

large clusters. The pods are green and almost round, often measuring 8 to 10 inches long. They are stringless, very tender and bear all summer.

Kentucky Wonder Wax

Very similar to the green-podded Kentucky Wonder, but the pods are a little broader. They are fleshy and stringless and are of excellent quality. The pods are very long and light yellow.

Scarlet Runner

A bean that is edible as well as ornamental. It is a fine climber, quick growing, and has large beautiful leaves and bright scarlet blossoms.

FIELD BEANS

CULTURE. Early plowing, at least five weeks before planting time, is necessary for good results with Field Beans. After this the land should be cultivated frequently to bring it into the best possible condition.

Beans thrive on most all soils, but better results are gained by the liberal use of fertilizer or planting in light, rich, well-drained loam. Beans are extremely sensitive to frost and moisture.

Choice Navy

This is a much improved strain of the old popular white baking bean. It is smaller in size and more round, but is highly recommended on account of its heavy yield and disease-resistant quality.

Great Northern Bean

A large Navy bean which is giving splendid results. The seed is large, flat, and slightly kidney shaped. It is a fine baker and is sometimes used as a small lima.

Brown or Swedish

This is a fine field bean of a light brownish color and medium size. Very fine for baking.

BRUSSELS SPROUTS

Perfection

Small heads or sprouts about one to two inches in diameter form on the stocks at each leaf joint. These may be boiled or creamed like cabbage or cauliflower.

BROCCOLI

Broccoli is somewhat like cauliflower in appearance and is cooked and served the same way, but combines the flavor of cauliflower and celery. Is most delicious. Try some in your garden this year.

CULTURE. For early crop, start the seed indoors or in cold frame and transplant seedlings in the open after danger of frost is over. For late crop, seed in the open ground during the early summer months.

Early Green Sprouting Calabrese

This variety grows about two feet high and of very easy culture. When each branch is a mass of flower buds, and before flowers appear, they are ready to use.

BEETS

CULTURE. Any well prepared light garden soil will produce good beets, although a rich, sandy loam brings the best results. Sow the seed about 1 inch deep in rows 15 to 24 inches apart. When plants are about 6 inches high they should be thinned to 3 or 4 plants to the foot. Those taken out at this time make excellent greens. A liberal application of 6-15-9 or any other high grade commercial fertilizer should be used. Broadcasting 300 to 500 pounds per acre before seeding is recommended. For small gardens, use 4 to 5 lbs. to every 100 square feet.

Gould's Early Bunching Beet★

The earliest beet on the market. It can stand the severe changes of the weather when sown in hotbeds better than any beet ever offered besides having a perfect shape and color for an early bunching beet.

Gould's Reliable Red Beet★

Is especially selected for its uniformity in size, shape and color, being a very dark red. We do not hesitate to recommend it either for market or home garden. It grows to a large size and is unsurpassed as to quality.

Detroit Dark Red★

This well known variety is very popular among market gardeners and canners as well as being an ideal variety for the home garden. The roots are very dark red in color, uniform in shape and of excellent quality. The tops are medium in size. It is well adapted for bunching and marketing in baskets; one of the best for winter storage.



Detroit Dark Red Beet

Edmand's Blood Turnip

A fine appearing turnip-shaped blood beet. Skin and flesh are of a deep red. This beet grows uniform of good marketable size and is a good keeper. This variety is of the second early maturing crop, also popular with gardeners.

Morse's Detroit Dark Red

A strain of recent development. Produces smaller, more spherical roots and distinctly shorter tops than the original strain.

N. K. & Co's Sterling★

A very attractive variety of high quality. It is a heavy yielder, a good keeper and of very fine appearance. Is exceedingly sweet and tender for table use.

Crosby's Egyptian★

A splendid extra early beet of slightly flattened globe shape. It is sweet and tender and a much desired table beet. It is grown and recommended by market gardeners for easy bunching. One of the earliest and best strains of beets.

Crimson Globe

A late or main crop variety of medium size and of a perfect globe shape. Flesh is a deep purple. The foliage is small and a dark bronze color.

Early Wonder★

An extra early variety of special merit, being one of the first on the market. It is globular in shape, has a smooth skin, flesh is blood red and very tender.

Swiss Chard or Spinach Beet

This variety does not produce an edible root like the regular garden beet, but is highly esteemed for the broad, white leaf stalks and midribs which are cooked and served in the same manner as asparagus, making a most delicious vegetable. Cook leaves like spinach.

Giant Lucullus Swiss Chard

The largest and the favorite of the Chard family. The leaves are very large and curly and make a very attractive dish when cooked up as greens. As it grows up so quickly it is also very valuable for keeping the poultry supplied with a green feed. Leaves may be trimmed to the ground and new leaves grow quickly.

SUGAR BEETS

Gould's Reliable Sugar Beet

We consider this to be one of the very best sugar beets for sugar production. Is rich in sugar content.

The vegetables best suited for market are indicated by a star (★) after the name of the variety.

PRICE LIST OF BEETS

	Pkt.	Oz.	¼ lb.	1 lb.
Gould's Early Bunching.....	5c	10c	30c	85c
Edmand's Blood Turnip.....	5c	10c	30c	65c
Extra Early Egyptian.....	5c	10c	30c	65c
Crimson Globe	5c	10c	30c	65c
Early Wonder	5c	10c	30c	75c
Gould's Reliable Red	5c	10c	30c	75c
N. K. & Co's Sterling.....	5c	10c	30c	75c
Eclipse	5c	10c	30c	65c
Crosby's Egyptian	5c	10c	30c	75c
Detroit Dark Red	5c	10c	30c	75c
Morse's Detroit Dark Red.....	5c	10c	30c	75c
Swiss Chard or Spinach Beet.....	5c	10c	30c	75c
Giant Lucullus Swiss Chard.....	5c	10c	30c	75c
Detroit Dark Red and Early Wonder @ 55c a pound in lots of 10 lbs. or more.				
SUGAR BEET				
Gould's Rel. Sugar Beet.....	5c	10c	35c	75c
MANGEL BEETS				
Imp. Mammoth Long Red....	5c	10c	25c	50c 2.00
Mammoth Golden Giant.....	5c	10c	25c	50c 2.00
Gould's Reliable Sludstrup				
Barres	5c	10c	25c	50c 2.00
Giant Yellow Eckendorf.....	5c	10c	25c	50c 2.00
Yellow Globe	5c	10c	25c	50c 2.00
Giant Red Eckendorf.....	5c	10c	25c	50c 2.00
Golden Tankard	5c	10c	25c	50c 2.00
Giant Feeding Half Sugar... 5c	10c	25c	50c	2.00

Price 2 lbs. and up @ 5-lb. rate.

MANGEL-BEETS (For Stock Feeding)

CULTURE. Sow six pounds to the acre in rows three feet apart, and thin to nine inches in the row. Seed should not be sown until the ground is warm and the weather fully settled.

Shallow planting is desirable because the seed germinates more quickly and a larger proportion will make vigorous plants than when planted deeply. Deeper planting will be required on sand lands or when the soil is dry. Cultivation should begin within a day or two from planting. Mangels so aid digestion and assimilation, by keeping the animals in a healthy condition, that they increase the feeding value of other feeds consumed besides the nutrients the roots contain. Mangels, when fed to cows, materially increase the milk.



Improved Mammoth Long Red Mangel

Imp. Mammoth Long Red

Is a selection of the very best type of long red mangel. The roots are extra large, straight, uniform in size and of a deep red color. They grow very large, some weighing as much as 15 to 20 pounds apiece, and yielding 15 to 20 tons to the acre. Our Mammoth Long Red is the best Mangel for poultry feeding.

Giant Red Eckendorf

The roots are red in color, smooth, long and cylinder shaped. They grow to enormous size, weighing up to 15 and 20 pounds each. The flesh is firm and of high feeding quality.

Giant Yellow Eckendorf

Is very similar to the Red Eckendorf, excepting that the color is yellow. A fine variety.

Golden Tankard

It combines all the fine points possible to condense into a mangel. The skin is a deep rich yellow, flesh firm and solid and of a rich golden yellow color.

Mammoth Golden Giant

Grows very large, yet it has a very fine, even shape and smooth skin. Flesh is white, firm and sweet. Cattle are very fond of them. In spite of the size they are easily lifted from the ground. Grow enormous crops.

Gould's Reliable Sludstrup Barres

Has been recognized by the Danish Government as having the largest per cent of nutriment found in any sort. It is a reddish yellow color, is very hardy and grows well above ground, making it easy to pull.

Giant Feeding Half Sugar

Is a very large growing sugar beet. A heavy yielder, an excellent feeder, but is not fit for sugar production. Yields nearly as heavy as do other mangels, but supplies for stock feeding a food of very much higher nutritive value. A most excellent feed for stock and poultry.

CABBAGE *Listed According to Earliness*

Cabbage require rich soil, and they take a greater percentage of food from the soil than most other garden crops. It is advisable to use about 500 pounds of 6-15-9 or other high grade commercial fertilizer per acre, broadcast before planting.

CULTURE FOR EARLY CABBAGE. Seed of the early varieties should be sown $\frac{3}{4}$ of an inch deep in a greenhouse, hotbed, or in boxes in the house, about 6 weeks before the plants are needed for planting out.

If, when the second leaves appear, the plants can be transplanted, spacing them 3 inches apart, better and more hardy plants will be obtained.

As soon as the soil can be worked in the Spring the plants should be removed to the open field and set in rows 2 feet apart each way. Cultivate occasionally to keep out weeds and preserve the moisture in the soil until the plants shade the ground. One-fourth lb. of seed will produce plants for one acre.

CULTURE FOR LATE CABBAGE. The seed may be sown in rows 1 foot apart or broadcast in the garden, about the middle of May, and the plants set in the field the latter part of June.

Cultivation must begin as soon as the plants are set in the field, and continued as long as it is possible to get through them with a cultivator without injury to the plants.

Early Jersey Wakefield

The earliest cabbage grown. Heads are very solid and conical in shape with very few outside leaves, which permits closer planting.



Golden Acre Cabbage

Golden Acre★

An early round head variety of the Copenhagen Market type, which heads up a full week to ten days ahead of Copenhagen. This excellent variety heads very uniformly producing a hard head which does not burst easily and which stands shipment well. This is one of the most valuable contributions to our list of cabbage varieties which has been made in recent years.

Resistant Detroit★ (New)

A yellows resistant, round variety, very similar to Golden Acre. Season about the same as Golden Acre.

Marion Market★

This is one of the Wisconsin Experiment Station's latest contributions to the field of disease resistant cabbages. It is a selection from Copenhagen Market, is very resistant to cabbage yellows; round head and of high quality.

Copenhagen Market★

Heads grow upon a short stem, are solid and large, often weighing from 8 to 12 pounds. It is the largest of the early round-headed varieties. Its quality is extra fine and sweet. The leaves are light green, rather small, saucer-shaped and tightly folded.

Glory of Enkhuizen

A large round short stem variety which matures about five days later than the Copenhagen Market. The heads are of nice size, weighing about 9 to 11 pounds each, globe-shaped and handsome dark green in color. Heads unusually firm and solid for an early variety.

Early Summer

Deservedly popular with market gardeners throughout the country. The heads are large and solid, weighing 8 to 10 pounds each. This cabbage is also much in demand for kraut making, being sweet and tender and of excellent quality.

Cabbage is rich in vitamins B and C, that help in keeping your digestion, glands, nerves and organs in tone. As a tonic, food, and medicine, it is one of Nature's best.

PRICE LIST OF CABBAGE, CELERIAC AND CRESS

CABBAGE	Pkt.	Oz.	$\frac{3}{4}$ lb.	1 lb.
Early Jersey Wakefield	\$0.05	\$0.25	\$0.75	\$2.25
Golden Acre .....	.05	.25	.75	2.25
Copenhagen Market .....	.05	.25	.75	2.25
Glory of Enkhuizen .....	.05	.25	.75	2.25
Early Summer .....	.05	.25	.75	2.00
All Seasons .....	.05	.25	.75	2.25
Mammoth Red Rock .....	.05	.30	.85	2.50
Late Flat Dutch .....	.05	.25	.75	2.25
Danish Roundhead .....	.05	.25	.75	2.25
Danish Ballhead .....	.05	.25	.75	2.25
Holland .....	.05	.25	.75	2.25
Drumhead Savoy .....	.05	.30	.85	2.50
YELLOWS RESISTANT STRAINS OF CABBAGE				
Resistant Detroit .....	.10	.60	2.00	5.50
Wisconsin All Seasons.....	.05	.35	1.00	3.00
Wisconsin Hollander .....	.05	.35	1.00	3.00
All Head Select.....	.05	.35	1.00	3.00
Marion Market .....	.05	.35	1.00	3.00
Red Hollander .....	.05	.35	1.00	3.00
CHINESE CABBAGE				
Pe Tsai .....	.05	.20	.65	2.00
CELERIAC				
Large Smooth Turnip Rooted...	.05	.20	.65	2.00
CRESS				
Fine Curled (Pepper Grass)....	.05	.10	.25	.75
Water Cress .....	.05	.40	1.25	4.00

All Seasons

Is an old standard and true to its name. It does well planted at all seasons. An excellent variety for fall and winter use. The heads are somewhat flattened but nearly round, very solid and of fine quality. The plants are very vigorous and are noted for withstanding the hot sun or a long dry spell.

All Head Select★

A yellows resistant cabbage that is two weeks earlier in season than Wisconsin All Seasons. This cabbage was secured by selection from All Head Early.

Wisconsin All Seasons★

A yellows resistant strain of All Seasons developed by the Wisconsin Experiment Station. This is a short stem drumhead type of cabbage with a reputation for heading uniformly and heavy yielding.

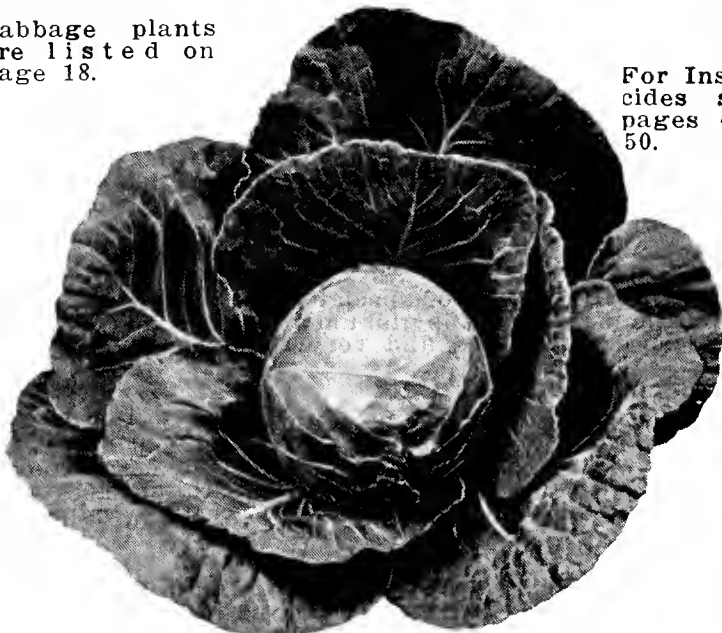
Wisconsin Hollander★

A very fine strain of yellows resistant Hollander formerly known as Wisconsin No. 8. Will mature in about 120 days. A gardener who grows one of these resistant strains need have no fear of cabbage yellows. A splendid winter keeper.

Drumhead Savoy

The best of the Savoy or curly leaf type of cabbage. Produces a large solid head upon a short stem. It is very sweet and delicious especially after being touched by frost. A good winter keeper.

Cabbage plants are listed on page 18.



Copenhagen Market Cabbage

Late Flat Dutch

A low growing variety, heads large, bluish green, round, solid, broad and flat on top. An excellent fall and winter variety, and a good keeper.

Red Hollander★

We are now able to offer our customers a yellows resistant strain of red cabbage. This strain is of good color, hard, ball shaped head and a heavy yielder. Good for mid-season or late crop. Plant disease men the country over, feel that the problem of cabbage yellows is practically solved with the advent of these yellows resistant strains.

For Insecticides see pages 48 to 50.

We are headquarters for cabbage plants during May and June. Prices in quantities quoted on request, or call if convenient.

Mammoth Red Rock

Heads are of a deep red color to the very center. A hard heading variety, producing heads 10 to 15 pounds each.

Danish Roundhead★

Is an improved strain of the Danish Ballhead, being slightly earlier, shorter stemmed and heavier. It is less liable to blight and is an excellent keeper.

Danish Ballhead★

This is one of the most largely grown varieties for fall shipping and winter keeping. It is large, round and solid. Grows well on all soil and resists most any kind of weather. Has few outside leaves, is tender and unsurpassed for boiling, slaw, and kraut making.

Holland★

The standard winter cabbage, and most remarkable late cabbage produced. The heads though not as large as some other varieties are hard and solid, fine grained and tender. If placed in a cool, dry cellar they will keep until spring and be as firm and sound as when put away.



Holland—The Best Late Cabbage

A good commercial fertilizer for cabbage is 6-15-9. Prices on fertilizers quoted on Special Price List.

CHINESE or CELERY CABBAGE

Is a delicious salad plant. It thrives best during the cooler part of the growing season consequently is generally planted as a fall crop, usually during July. Seed should be sown where crop is to mature and the plants thinned to stand about 15 inches apart in the row. The cultural directions are about the same as for cabbage.

Pe Tsai Improved (Chihili)

This fine vegetable resembles Cos Lettuce. The head is large and compact and somewhat narrow and all but the outer leaves which are light green, blanch a creamy white. Very crisp and tender.

CELERIAC

CULTURE. Celeriac seed may be treated the same as celery until outdoor planting. Plant in rows 14 inches apart, 3 or 4 inches apart in the row.

Large Smooth Turnip Rooted

The best there is. This vegetable deserves a wider recognition by growers or home gardeners. Is fine for flavoring soups or roots may be cooked up creamed.

CHIVES

Are hardy perennial plants of the onion type. The tops are used for flavoring. Quicker results are obtained by setting out plants than by seeding as seedlings will not do much the first year, while the sets or plants will multiply very rapidly.

CHICORY

Used as a winter salad. May be used as a Cos Lettuce, and is delicious when served with salad dressing. The plants form long parsnip-shaped roots that are lifted in the fall, trimmed of leaves, and stored in soil in a cool place until wanted for forcing.

CRESS

CULTURE. Sow seed thickly in shallow drills 12 inches apart in the spring, and for a succession every two weeks. One oz. of seed required for 200 ft. of drill.

Fine Curled (Pepper Grass)

Quick growing; leaves finely cut like parsley; growth dwarf and compact; crisp and pungent. Cut the greens before they get too tall.

PRICE LIST of CAULIFLOWER, CHICORY, CHIVES and COLLARDS

CAULIFLOWER	Pkt.	Oz.	¼ lb.	1 lb.
Snowball	10c	\$1.50	\$5.50	\$20.00
Extra Selected Early Snowball...	10c	1.75	6.00	21.00
Model	10c	1.75	6.00	21.00
Danish Giant or Dry Weather....	10c	1.50	5.50	20.00
Catskill Snowball	10c	1.50	5.50	20.00
Snowdrift or White Mountain....	10c	1.75	6.00	21.00
CHICORY	Pkt.	Oz.	¼ lb.	1 lb.
Whitloof Chicory	5c	20c	65c	2.00
CHIVES				
Chives	10c	1.00	2.00	7.00
COLLARDS				
Georgia or Southern	5c	10c	35c	1.00

CAULIFLOWER

CULTURE. For early use, the seed should be sown indoors either in a greenhouse, hotbed or in the house about six weeks before setting out. Sow the seed ½ to ¾ of an inch deep. When plants are one or two inches high they can be transplanted to about 3 inches apart thereby developing into stronger plants. As soon as the soil can be worked and pulverized, the plants may be set out in the open field 2 to 2½ feet each way.

Snowball★

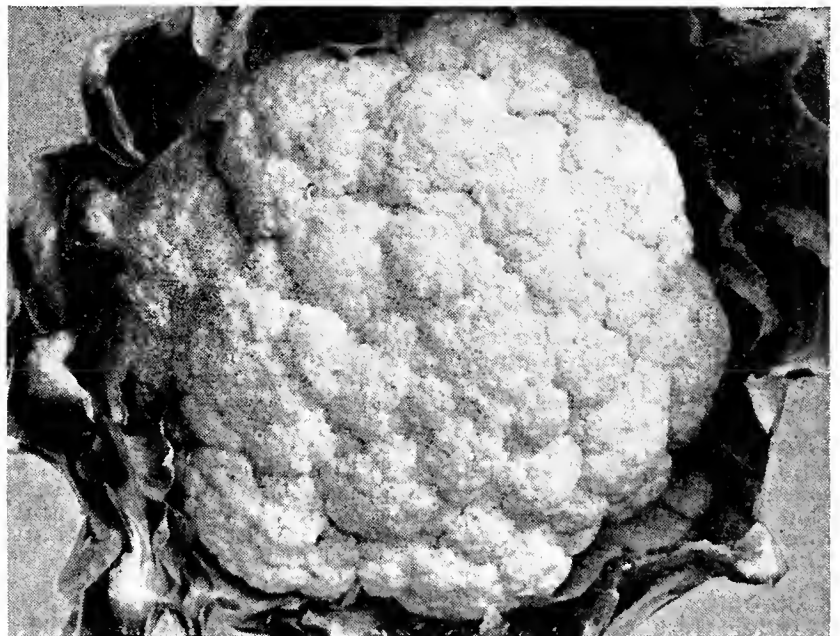
The most popular variety for early and general crop. Produces nice snow white heads 6 to 8 inches in diameter, of extra fine flavor. Is considered a standard by the market gardener, also very desirable for the home garden.

Extra Selected Early Snowball★

This is a strain of Snowball which is selected for earliness and uniformity of size and maturity. The fine solid heads are pure white of good size and of excellent quality.

Snowdrift or White Mountain★

Recognized as the most successful Cauliflower for the Market Gardener. It is early, large and makes a beautiful solid white head of excellent quality.



Snowdrift Cauliflower

Model★

A week later than the Snowball, but somewhat larger. Very attractive in appearance and delicious in flavor. It is not only suitable for early planting but superior for late planting. Heads are large and solid.

Danish Giant or Dry Weather

A larger and later variety that is generally planted for a fall crop. It will stand the dry weather of summer better than any other variety. Delicious flavor and of fine quality.

Catskill Snowball

One of the best varieties for general market crop. It is early, a sure cropper and very attractive.

COLLARDS

A tall loose-leaved plant that does not form heads, but leaves similar to cabbage or kale. It is used as greens for the table. Sow seed thickly and transplant when 4 inches high. Thin to 2 to 3 feet apart in the row.

Georgia or Southern

Grows about 2 to 3 feet tall, producing large light green leaves. Light frost improves the crop.

CARROTS

One ounce of seed will sow 200 feet of drill. Make the rows two feet apart to allow for horse cultivation. Keep free from weeds and cultivate occasionally until the roots are large enough for table use and if grown for commercial purposes they may be cultivated with profit throughout the season. When the plants are 3 inches high thin to 3 inches apart in the row.

Chantenay★ (Select Stock)

The Chantenay Carrot has been the favorite with the market gardeners for many years. Our select seed is recommended as best for peat soil. The flesh is of a beautiful orange color and of fine texture, tender, and very sweet. The roots taper slightly and are uniformly stump rooted and easy to pull. A very desirable variety for the home garden, as well as market gardeners. About six inches at maturity.

Improved Danver's Half Long★

Is a well known stump rooted variety. The root is of a rich dark orange color, smooth and heavy yielding, making it very desirable for both marketing and stock feeding. Roots will grow to 7 or 7½ inches in length. This is an excellent bushel carrot and one of the most popular of American varieties. Grows a little longer and larger than Chantenay.

Imperator★

Very attractive roots 7 to 8 inches long, slightly tapering. Sloping shoulder with slender tops firm enough to bunch well. The color is deep orange which extends to the center with a very small core. Specially adapted to peat land. Sow late for fall crop.

Morse's Bunching★ (1934 All American)

Tops short and strong, roots almost cylindrical and of perfect shape, 8 inches long.

Coreless

This variety of exceptional quality is recommended for its earliness, sweet mild flavor and uniformity in shape. The roots are cylindrical, very smooth, average about 6 to 7 inches in length. The flesh is an attractive rich red orange color, sweet and tender, entirely devoid of stringiness. Keep well.

Morse's Red Cored Chantenay★

The tops are shorter and the foliage finer cut than the regular Chantenay. The surface of the root is smooth and free from rootlets. The color is a rich orange and the core is very small. It matures slightly earlier than the Chantenay.

Oxheart or Guerande

Earlier than the Danver's but not so long. It will produce a large thick carrot that can be very easily lifted from the ground. The flesh is bright orange, fine grained and sweet, roots growing to a length of about five inches long when mature.

Half Long Scarlet Nantes★

Coreless, brittle, and fine grained with a mild sweet flavor. Roots are of reddish orange color, and 6 to 7 inches long when mature. It is one of the finest carrots grown for market or the home gardener.

Improved Long Orange

A heavy yielder for light soils when roots may be easily dug. Roots are orange scarlet, fairly thick and as a rule grow entirely underground thus having no green shoulder. Are from 10 to 12 inches long when matured.

Large White Belgian or Mastodon (Stock Feeding)

For stock feeding. The largest producer of all carrots, one root often measuring 15 to 20 inches in circumference. It will produce as high as 20 to 30 tons per acre. Very fine for all kinds of stock, but is not for table use.

Victoria or Yellow Belgian (Stock Feeding)

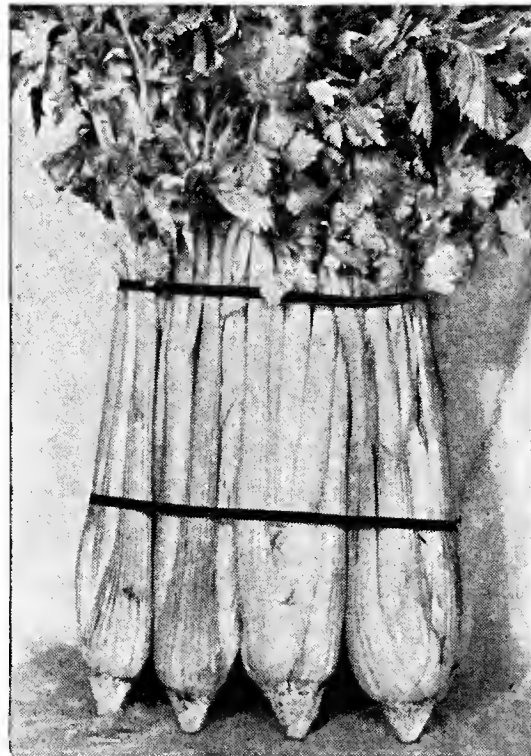
A large yellow stock carrots by far the largest yellow carrot grown. The roots are exceptionally fine for all kinds of stock feeding, possessing high feeding properties. It is a heavy cropper on all kinds of soil, but is especially adapted for rich, sandy loam.

PRICE LIST OF CARROTS AND CELERY

CARROTS	Pkt.	Oz.	¼ lb.	1 lb.	5 lbs.
Chantenay	5c	10c	30c	75c	\$3.00
Morse's Red Cored Chantenay..	5c	10c	30c	90c	3.75
Improved Danver's Half Long..	5c	10c	30c	75c	3.00
Imperator	5c	10c	30c	75c	3.00
Morse's Bunching	5c	10c	35c	\$1.00	4.25
Coreless	5c	10c	35c	1.00	4.25
Early French Forcing.....	5c	10c	35c	1.25	5.25
Oxheart or Guerande.....	5c	10c	35c	1.25	5.25
Improved Long Orange.....	5c	10c	35c	1.25	5.25
Half Long Scarlet Nantes	5c	10c	30c	75c	3.00
Large White Belgian or Mastodon	5c	10c	30c	75c	3.00
Victoria or Yellow Belgian	5c	10c	30c	75c	3.00
Chantenay and Danver's Half Long Carrots, 55c a pound in 10 lb. lots—48c a pound in 25 lb. lots.					
CELERY	Pkt.	Oz.	¼ lb.	1 lb.	
Gould's Reliable Self Blanching...	10c	\$1.00	\$3.00	\$10.00	
Golden Self Blanching Dwarf.....	10c	.75	2.25	6.25	
Salt Lake or Utah.....	10c	.75	2.25	7.50	
White Plume	5c	.25	.75	2.50	
Giant Pascal	5c	.25	.75	2.50	

CELERY

CULTURE. For early planting sow in greenhouse or hotbed from the 1st to the 15th of March. Celery seed being so small and slow in germinating it is very essential that the seed bed be well prepared. Sow the seed in rows two inches apart and do not cover with more than ¼ or 1/10 of an inch of fine soil, press down firmly and cover with burlap. Moisten daily by sprinkling the burlap until seed is germinated. When 4 to 6 inches high they may be planted in the open if the weather permits and the soil can be well prepared.



Gould's Reliable Self Blanching Celery

Celery Fertilizer. The Celery crop can absorb more fertilizing nourishment than any other garden crop. One ton of 0-9-27 and five hundred pounds of Nitrate of Soda should be used per acre in preparing the soil.

Eat Celery for Health. Celery is a health builder, and besides Vitamin B, contains valuable Mineral Salts, which assist your organs to function, aids digestion, glands and nerves.

Gould's Reliable Self Blanching★

The seed is of French grown stock which has been brought to its present high standard of perfection after many years of careful selection. The stalks are tender, brittle and very fine flavored. It is almost double the size of the common strain.

Golden Self Blanching, Dwarf★

Plants medium sized, stocky, 20 to 24 inches tall, leaf stalks thick, solid, blanch readily and are of sweet nutty flavor.

Salt Lake or Utah

Salt Lake grows to a good height and produces stalks that are crisp and tender with a delicious flavor. This celery will bleach much quicker than any other green variety. It is also very desirable for late storing.

White Plume

The earliest celery grown. It is hardy and requires very little effort to produce. Is in much demand for market on account of its fine appearance, also because it requires very little time for blanching.

Market Gardeners and Florists.

We do not issue a separate Market Gardener's catalog and price list, but you will note that we list larger amounts than the small gardener buys, and these quantity prices are intended for the market gardener. Special flower seed price list for florists will be sent on request.

SWEET CORN

Varieties Listed in Order of Earliness

CULTURE. Have your soil well prepared but do not plant sweet corn until the ground is warmed up thoroughly. Then the early varieties may be planted in hills 30 inches apart both ways while the later varieties should be planted 3 to 3½ feet both ways. Plant 5 or 6 kernels to the hill from 1 to 2 inches deep. Cultivate to keep free from weeds, and when corn is well started thin to 4 stalks to the hill.

FERTILIZER FOR SWEET CORN

Sweet corn will develop and mature much faster if given a good application of commercial fertilizer either at planting time or when making first cultivating. We recommend three to five hundred pounds of 4-16-4 per acre.

Golden Gem★

This is the earliest yellow sweet corn ever introduced. The stalks are very short and the ears come close to the ground; are small but of very good quality.

Spanish Gold★

This is also one of the earliest yellow sweet corns. It is a few days later but considerably larger both in stalk and ears than Golden Gem.

Early Dow★

Early Dow is the earliest white sweet corn on the market; about two to three weeks earlier than Golden Bantam. This White Sweet Corn is much in demand until the yellow varieties become plentiful.

Early Golden Market★ (Golden Hummer)

A new Early yellow Sweet Corn that is very popular with the Market Gardeners. It is larger than Sunshine and about one week earlier. It is also a good yielder.

Golden Sunshine★

In this corn of rich golden color we find a fine sweet variety maturing a week or ten days earlier than Golden Bantam. This is one of the earliest of all the yellow or "Golden Corns." The ears are of equal size with Bantam but 12-rowed instead of 8.

Gould's Early Golden Giant★

Gould's Golden Giant excels all other early yellow varieties in size, productiveness and quality, and all of the late varieties in quality and early maturity. Because of the extreme tenderness, combined with the rich exquisite sugary flavor, the Golden Giant has become the standard of perfection for sugar corn.

Golden Bantam★

Recognized by most every one as the sweetest corn grown. It produces a fair sized ear of beautiful golden yellow kernels. May be planted at intervals of two weeks until July 1st. Is very hardy and productive. The plant is only 4 to 5 feet high and it grows so compactly that it may find a place in even the smallest garden.

Black Mexican

This sweet corn is the sweetest of all and is noted for its delicious flavor and fine grain qualities. The ripe kernels are bluish-black. Consider it a second-early variety.

Asgrow Golden Colonel (Golden Country Gentleman)

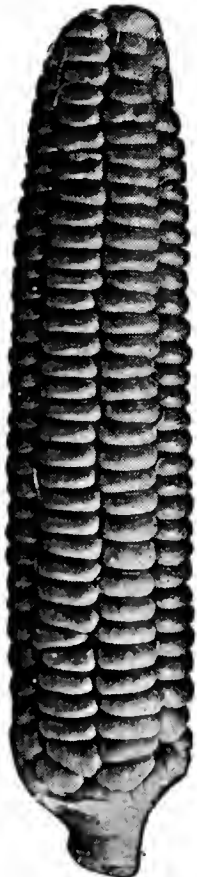
Received Award of Merit in the 1936 All America Vegetable Selections. Asgrow Golden Colonel is identical to Country Gentleman in every respect except for its bright yellow color. It has taken ten years to develop this new strain and to combine the fine flavor and rich golden color of the Bantam parent and peg type of kernel of Country Gentleman.

Early Evergreen

Although called Early Evergreen it is not real early, but rather should be classed as a late sweet corn. It is, however, the earliest of the late varieties. It produces large white ears of extra fine quality, which mature about 10 to 15 days ahead of Stowell's Late Evergreen. We recommend it very highly for both home and market gardens.



Asgrow Golden Colonel (Golden Country Gentleman)



Golden Bantam Sweet Corn

PRICE LIST OF SWEET CORN AND POP CORN

SWEET CORN	Pkt.	½ lb.	1 lb.	2 lbs.	10 lbs.	100 lbs.
Golden Gem	10c	15c	25c	45c	\$1.75	\$15.00
Spanish Gold	10c	15c	25c	45c	1.75	15.00
Early Dow	10c	15c	25c	45c	1.75	15.00
Early Golden Market (Golden Hummer)	10c	15c	25c	45c	1.75	15.00
Early Golden Giant.....	10c	15c	25c	45c	1.75	15.00
Golden Sunshine	10c	15c	25c	45c	1.75	15.00
Golden Bantam	10c	15c	25c	45c	1.75	15.00
Golden Giant Evergreen.....	10c	15c	25c	45c	1.75	15.00
Asgrow Golden Colonel (Golden Country Gentleman)	10c	20c	30c	50c	2.00	20.00
Early Evergreen	10c	15c	25c	45c	1.75	15.00
Country Gentleman	10c	15c	25c	45c	1.75	15.00
Stowell's Evergreen	10c	15c	25c	45c	1.75	15.00
Black Mexican	10c	20c	30c	50c	2.00	17.00

25 lbs. and up at 100-lb. rate.

POP CORN	Pkt.	1 lb.	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Japanese Dwarf Hulless..	10c	25c	\$1.00	\$1.90	\$4.50	\$15.00
Black Beauty	10c	25c	1.00	1.90	4.50	15.00
Gould's South American..	10c	25c	1.00	1.90	4.50	15.00

Treat Sweet Corn Seed with Semesan Jr. Makes early planting safer, improves quality and crop yields. See page 49 for Semesan prices.

Corn is postpaid only in packets. In half pound lots or more, add postage at the Parcel Post rates given on page 3.

SWEET CORN—Continued

Golden Giant Evergreen★

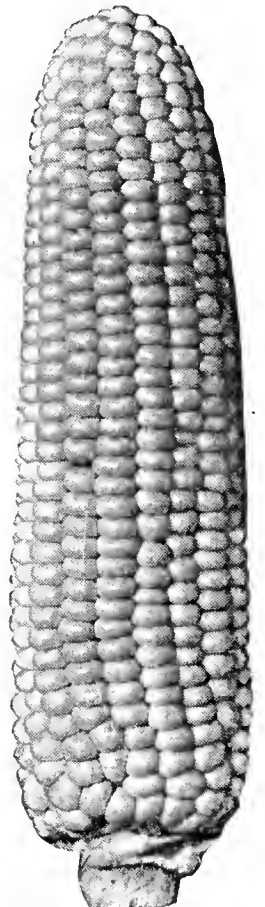
A large yellow sweet corn obtained by crossing Golden Bantam with Stowell's Evergreen. The ears are 8 to 9 inches long and contain 12 to 14 rows of beautiful yellow kernels. The flavor is very much like Golden Bantam. Matures about two weeks later.

Country Gentleman

A great favorite for the home garden. It does not grow very large but the white kernels being very deep and packed so tightly together that the food value from one ear is almost as great as that on larger ears. The flavor is delicious.

Stowell's Late Evergreen

The best known and most popular late variety. Its large ears with long deep white kernels of a rich sugary flavor cannot be surpassed.



Stowell's Evergreen

POP CORN

CULTURE. Sow in rows 3 feet apart, 2 to 3 inches deep, as soon as danger of frost is over at the rate of 4 to 6 pounds to the acre, or 1 ounce to 40-foot row. Thin plants to 10 to 12 inches in the row. Care given in curing determines the popping qualities.

Gould's South American

This variety has become very popular. The kernels are nearly round and deep orange in color. When popped the kernels are nearly twice the size of other corn and are of a creamy yellow color. Popped kernel has no hard center. The stalks grow 6 to 8 feet high and produce 2 to 3 large ears on each stalk.

Gould's Japanese Dwarf Hulless

Very tender and almost hullless. Ears are short and chunky. Although the kernels are very small they pop to large size, being very tender and brittle.

Black Beauty

A very early variety of a blue-black color. The kernels are large and smooth, popping to a very large size, very crisp and tender.

CUCUMBER

CULTURE. Plant in hills 6 feet apart each way, 10 to 20 seeds may be planted in each hill, covering a circle 15 inches in diameter. When plants are three or four inches high they may be thinned to 5 or 6 to a hill, allowing for cutworms and beetles destroying one or two. Cultivate frequently until the vines cover the ground. The seed may also be started in berry boxes by placing them in a hotbed. When weather is suitable—settled and warm—remove the box as plants are placed in the garden. The fruit should be gathered as soon as large enough for use, or else the productiveness of the vines will be permanently injured. One ounce of seed is required for 60 hills; two to three pounds per acre.

FERTILIZER FOR CUCUMBERS

About 200 pounds of 6-15-9 fertilizer to the acre will give splendid results for cucumbers. Apply as a side-dressing at seeding time.

Straight-8★ (1935 All American)

Outstanding as a shipping cucumber, also recommended for the home garden. 1½ inch in diameter, 8 inches long and well rounded at both ends.

Gould's Wonderful Black Diamond★

Very prolific, dark green, about 8 inches long, 2½ inches thick. Very early. A fine shipper. Stays green long after picking.

N. K. & Co's Sterling★

One of the earliest cucumbers of the White Spine type. For general use it is unsurpassed. It can be picked at any size and used for pickles if desired, and will also make a fine large cucumber. Is one of the most attractive and heaviest producers, coloring up to a very deep green. Excellent for market and home gardens alike.

The Vaughan★

Is one of the finest extra long cucumbers grown. The average length when matured is from 12 to 18 inches and the diameter from 2 to 2½ inches at the center, tapering gradually at both ends. It has a beautiful smooth green skin and very few seeds. Very desirable for slicing. It will retain its color and firmness indefinitely, making it very popular for shipping.

Longfellow★

An excellent, long, slender, dark green variety, equally desirable for greenhouse forcing or outdoor culture. This is an ideal cucumber for the market gardener, growing 12 to 14 inches in length.

Davis Perfect★

A selected strain of Long White Spine which retains its dark green color and good qualities long after being picked. It is crisp, solid, of fine flavor and has very few seeds. Will average about ten inches or more in length, is quite slender, tapering slightly at both ends. The Davis Perfect makes a splendid cucumber to grow for pickling, as well as for table.

Improved Arlington White Spine★

One of the earliest and most popular cucumbers of the White Spine family. This new improved strain is much superior to the old sort. The skin is an attractive glossy dark green, the flesh firm but tender and of delicious flavor. Is a heavy yielder and measures 6 to 9 inches in length. A favorite for the home or market gardener.

Gould's Pickling

Fruit is of medium size, 3 to 4 inches long, slightly tapering at each end, and of a deep green color. The flesh is crisp and tender. It is very productive.

Long Green★

Produces dark green fruit from 10 to 14 inches long. Flesh is firm and crisp. Fine for slicing, also desirable for ripe cucumber pickles. The bulk of the crop matures late, and is in much demand for both the home garden and for market gardeners.

Early Fortune★

One of the leading early varieties with a rich dark green color. It grows about nine inches long, slightly tapering at both ends. Has very few seeds. Is a fine shipper.

Boston Pickling

Very productive, and grown mostly for pickles. The fruit is medium size, bright green in color, and smooth. Flesh crisp and tender. Grows 5 to 6 inches long.

Chicago or Westerfield Pickling

Is medium in length, pointed at each end, and has large spines. Is very prolific, and a favorite of many who grow pickles on a large scale.

PRICE LIST OF CUCUMBER AND ENDIVE

CUCUMBER	Pkt.	Oz.	¼ lb.	1 lb.
Gould's Wonderful Black Diamond....	5c	10c	30c	\$1.00
Straight 8	5c	10c	30c	1.00
N. K. & Co's Sterling.....	5c	10c	30c	1.00
Davis Perfect	5c	10c	30c	.90
The Vaughan	5c	10c	30c	1.00
Longfellow	5c	10c	30c	1.00
Cool and Crisp	5c	10c	30c	.90
Imp. Arlington White Spine.....	5c	10c	30c	.90
Extra Long White Spine.....	5c	10c	30c	1.00
White Spine Evergreen	5c	10c	30c	1.00
Japanese Climbing	5c	15c	50c	1.75
Gould's Pickling	5c	10c	30c	.90
National Pickling	5c	10c	30c	1.00
Long Green	5c	10c	30c	.90
Early Fortune	5c	10c	30c	.90
Boston Pickling	5c	10c	30c	.90
Chicago or Westerfield Pickling.....	5c	10c	30c	.90
ENDIVE	Pkt.	Oz.	¼ lb.	1 lb.
Broad Leaved Batavian.....	5c	10c	35c	1.00
Green Curled	5c	10c	35c	1.00
White Curled	5c	10c	35c	1.00



Straight-8 Cucumber (1935 All American)

National Pickling★

An early pickling strain developed by the Mich. Agric. College. Fruits deep green, straight, blunt-ended but not chunky. An excellent small pickling variety.

White Spine Evergreen

A fine strain of White Spine bearing smooth, round, dark green fruit 10 to 12 inches long of fine quality. Especially recommended for hotbed culture.

Extra Long White Spine

An extra fine variety for either greenhouse or outdoor crop. It grows to a large size in a very short time and commands fancy prices on account of its fine appearance.

Japanese Climbing

A vigorous grower. Very desirable for planting along fence or trellis in small gardens. A real climber that does best on a pole or trellis. Fruit 10 to 12 inches long, tender and crisp. Very fine for table use.

ENDIVE

This plant furnishes attractive and appetizing salad for the fall and winter months, or by repeated sowing a supply may be had nearly all the year 'round. Useful in flavoring soups, stews, etc. Makes delicious greens if cooked like spinach. Cultivation same as for lettuce.

Broad Leaved Batavian★

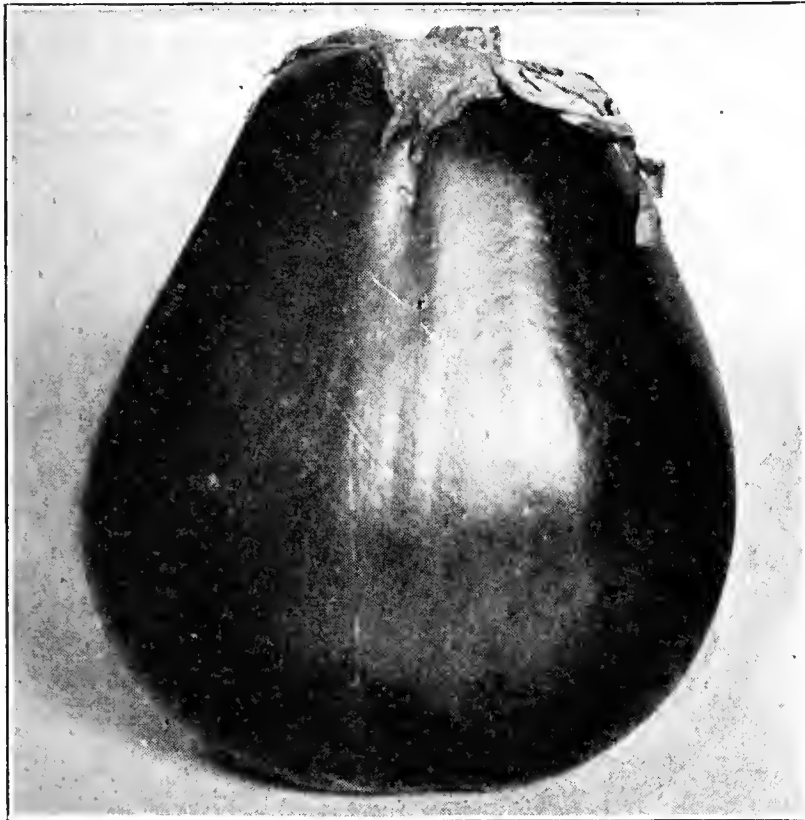
One of the best varieties for salads. Leaves are broad, more or less twisted and waved with bright deep green, with nearly white midrib. Inner leaves form a fair head which blanches to a creamy white. Crisp, tender, and of fine flavor.

Green Curled★

A hardy and vigorous grower, with bright deep green leaves finely cut. The leaves should be tied up in the shape of a head for 3 or 4 weeks before using. Is very popular with market and home gardeners.

PRICE LIST OF EGG PLANT, KALE, KOHL-RABI AND LEEK

	Pkt.	Oz.	¼ lb.	1 lb.
EGG PLANT				
New York Spineless	5c	30c	\$1.00	\$3.50
Black Beauty	5c	30c	1.00	3.50
KALE				
Dwarf Curled	5c	10c	¾ lb.	1 lb.
Tall Curled	5c	10c	35c	1.00
KOHL-RABI				
Early White	5c	20c	¾ lb.	1 lb.
Early Purple	5c	25c	90c	2.75
LEEK				
American Flag	5c	20c	¾ lb.	1 lb.
			60c	2.00



BLACK BEAUTY EGG PLANT

EGG PLANT

CULTURE. Sow in hotbed in March and April, and when two inches high transplant to pots or boxes to develop growth. About June 1st plant in field or garden 2½ to 3 feet apart each way and cultivate same as cabbage or tomato. Protect young plants from sun as much as possible, also from potato bugs. One-fourth pound of seed will produce plants for one acre.

New York Spineless★

The standard for the garden. The plants are stocky and low branching and produce extra large dark purple fruit of perfect shape. Is the handsomest type and most perfect strain of Egg Plants, usually bearing eight to ten large fruits of the finest quality, during a season.

Black Beauty★

Slightly earlier than the N. Y. Spineless but not so large. The skin is of a rich dark purple color, and very desirable for market as the skin holds its color for a long time.

GARLIC

CULTURE. Prepare the ground as for Onions; separate the sets and plant them eight inches apart and four to six inches apart in the drill, covering two inches deep. When the leaves turn yellow, pull up bulbs. Dry in the shade. Prices: lb., 30c; 10 lbs. or more at 25c per lb. If wanted by parcel post add postage to cover mailing cost.

KALE

CULTURE. Sow in May or June and cultivate the same as cabbage. Makes excellent greens and is improved by light frosts. More hardy than cabbage.

Dwarf Curled★

A very finely curled dwarf spreading variety. Foliage is long and bright green. Is even more hardy than cabbage. Produces excellent greens for winter and spring.

Tall Curled★

This variety grows to a height of two to three feet, bearing long plume-like leaves of a light green color. Is rather improved than injured by fairly heavy frosts.

KOHL-RABI

CULTURE. Sow in drills 15 inches apart, ½ to ¾ inch deep. When a few inches high thin to 6 to 8 inches apart in the row and cultivate same as beet. Bulbs grow above ground. Roots should be prepared like turnips or cauliflower for cooking. Are much sweeter than turnips.

Early White★

Very early, producing small white bulbs. Used especially for forcing. One of the best for table use.

Early Purple

The bulbs are purple on surface; the flesh light green. A few days later than the White but a little larger and more heat resistant.

LEEK

CULTURE. Sow about May 1st in drills 12 inches apart from ½ to 1 inch deep. When 6 inches high transplant to rows 15 inches apart and 5 inches apart in row, setting the plants in the ground up to their center leaves and drawing this ground up as they grow, causing them to bleach. This makes the leek more palatable.

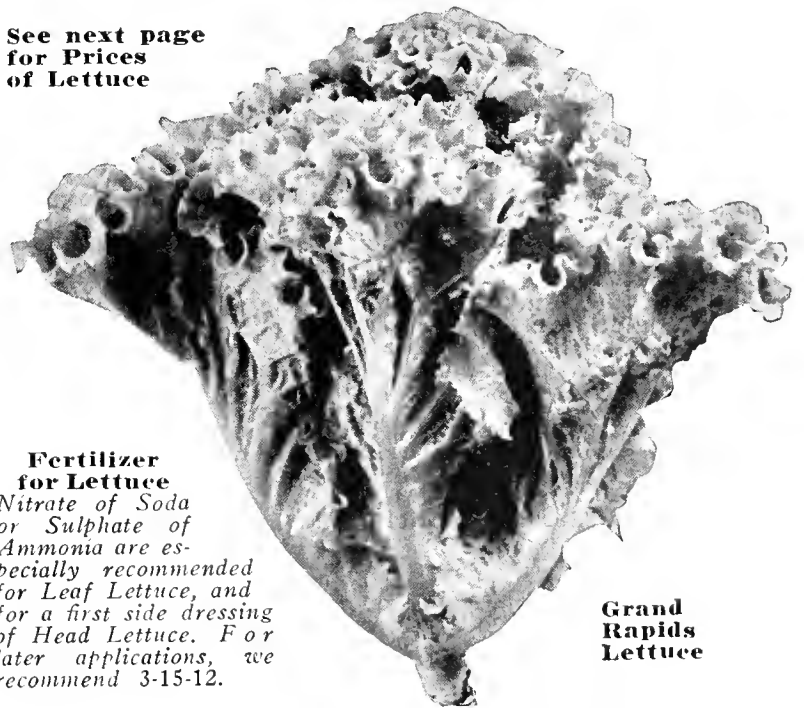
American Flag★

A strong growing variety, producing large thick stems which have a sweet flavor. Leek is excellent for stews, soups, or creamed.

LETTUCE

CULTURE. Lettuce is the most popular of all salad plants and at the same time is one of the easiest to grow due to its comparative freedom from disease and insects. All types of lettuce will do very well on rich, loose, light loams or on any good garden soil, but should never be planted on heavy compact soil. Seed may be sown in the open from April 20th to August 1st, or planted in the house or in frames any time after March 10th. Rows to be 1½ feet apart, plants four inches apart in row after thinning. One ounce of seed will sow 150 feet of row, 2 to 2½ pounds required per acre.

See next page
for Prices
of Lettuce



**Fertilizer
for Lettuce**

Nitrate of Soda or Sulphate of Ammonia are especially recommended for Leaf Lettuce, and for a first side dressing of Head Lettuce. For later applications, we recommend 3-15-12.

Grand Rapids Lettuce

LOOSE LEAVED VARIETIES

Grand Rapids★

The most popular variety to grow for market. When exposed for sale it retains its handsome fresh appearance longer than any other variety. Leaf is curly and of light green color and crimped at the edge.

Black Seeded Simpson★

One of the best and most popular varieties of Leaf Lettuce. Color light yellowish green, its large leaves are thin, tender and sweet. One of the finest for home garden and a favorite market lettuce. Very heat resistant.

Prize Head

The name is rather deceiving, Prize Head being a crisp and tender, loose leaf sort with a reddish brown tint of fine quality. Of quick growth and sweet flavor, distinct from any other variety. One of the best for the home garden.

Chicken Lettuce

So called on account of the abundance of greens it furnishes for poultry feeding or for rabbits. Will come quickly again after cutting. Will send up stalks three to four feet long. Of little value for table use.

Prices of Lettuce given on next page.

PRICE LIST OF LETTUCE

LOOSE LEAVED VARIETIES	Pkt.	Oz.	¼ lb.	1 lb.
Grand Rapids	5c	10c	30c	\$1.00
Black Seeded Simpson.....	5c	10c	30c	1.00
Prize Head	5c	10c	30c	1.00
Chicken	5c	10c	30c	1.00
HEADING VARIETIES	Pkt.	Oz.	¼ lb.	1 lb.
Sterling	5c	15c	40c	1.10
Big Boston	5c	15c	40c	1.10
Crisp as Ice	5c	15c	40c	1.10
Iceberg	5c	15c	40c	1.10
Hanson Head	5c	15c	40c	1.10
May King	5c	15c	40c	1.10
New York (No 12).....	5c	15c	40c	1.10
Salamander	5c	15c	40c	1.10
Paris White Cos.....	5c	15c	40c	1.10

LETTUCE—Continued

HEADING VARIETIES

CULTURE FOR HEAD LETTUCE. If lettuce plants have been started indoors they should be transplanted as soon as they begin to crowd. Place them six to twelve inches apart in the row in extra rich soil and if the sun has become very hot, it will be best to furnish partial shade.

Sterling

The earliest of the heading varieties, fine for forcing, as well as for the home garden. A grand lettuce, very sweet, crisp and beautiful in appearance.

May King★

A large early compact heading variety, unequalled for early spring planting. The outer leaves are of a light yellowish green, tinged with reddish brown. The heart bleaches to a rich golden yellow, having a fine, rich buttery flavor. Heads average nearly a pound.

Big Boston★ (White Seeded)

A cabbage butter heading variety forming a good sized solid head which is yellow and buttery, though crisp, and is of splendid quality. The outer leaves are bright green and edges are tinged with brown.

Crisp as Ice

A large solid head with outer leaves variegated brown and green. Has a delicious flavor and is the ideal lettuce for the home garden.

Iceberg

Heads are large and firm and well blanched. Color of leaves is light green with faint brown tracing on the border. A quick grower, heads always crisp and tender.

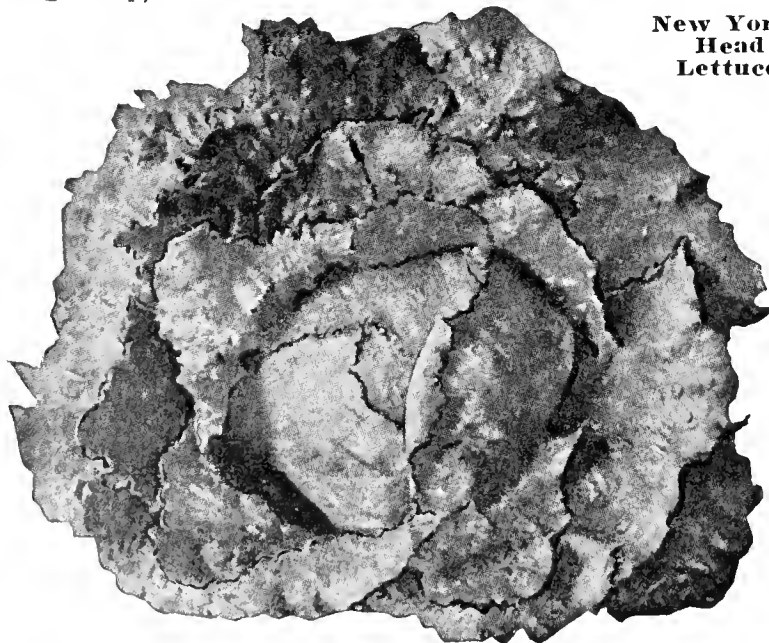
Hanson Head

An old reliable sure heading sort. Color clear light green. A fine variety for midsummer planting as it stands the hot weather better than most sorts. Much in demand by both the market and home gardener.

New York★ No. 12

A very large, late popular heading variety. It roots deeply and therefore can resist the hot dry weather, making it very desirable for late planting. The color is a clear dark green, the heart blanching beautifully, being crisp, tender and delicious.

New York
Head
Lettuce

**Salamander**

It forms large solid heads of thick, smooth, tender leaves of fine quality. It withstands hot weather remarkably well, and remains in head a long time before going to seed. Therefore, can be planted any time during the summer. One of the best outdoor heading varieties.

MUSKMELON

CULTURE. Muskmelons do best on moderately rich light, warm mellow loam. Do not plant until the ground has warmed thoroughly, as they will start quicker and withstand the attacks of insects so much better.

Plant in hills 5 or 6 feet apart both ways. Mix in the hill before planting, one large cupful of Commercial Fertilizer. Plant 1 inch deep, 10 to 15 seeds to the hill. When plants are 3 inches high, thin to 4 or 5 in a hill, leaving the best plants.

Gould's Osage★

A selected strain of Miller's Cream or Osage. The fruit is nearly round and slightly ribbed. The skin is dark green and partly netted. The flesh is of a deep salmon color, very thick and sweet.

FERTILIZER FOR MUSKMELONS.

Apply as a side-dressing at seeding time, at the rate of about 200 pounds to the acre, 6-15-9 fertilizer.



Gould's Osage
Muskmelon

Golden Osage★

An improved strain of Osage melon combined with the Yellow Meated Japan. The flesh is of a fine golden yellow, very thick meated and the flavor is delicious. The skin is of a light yellowish tint and partly netted.

Bender's Surprise★

A very fine large, round, salmon-fleshed melon of exceptional flavor. The skin is of a light yellowish color and fairly well netted, very attractive and a good shipper.

Hale's Best★

A remarkably early shipping melon from the Imperial Valley of California. The melon is oval in shape, about 6 inches long by 4½ inches in diameter with very heavy netting and distinct ribbing. The flesh is exceptionally thick and a deep salmon in color. It is very sweet and a good keeper.

Oregon Delicious★

This is perhaps the largest of the early Muskmelons. Is especially recommended for roadside markets and local fruit and vegetable stands. It is large, well netted and has a very delicious flavor. The skin is light green and the flesh a beautiful yellow.

Sugar Rock★

One of the newer varieties of melon of high quality and very fine flavor. The flesh is a rich salmon, the skin a greyish green color with heavy, coarse netting. The shape in almost round and very solid.

Netted Rock

A heavy meated cantaloupe of the Rocky Ford type. The flesh is green, tinged with salmon pink around the seed cavity. The flavor is sweet and delicious.

Milwaukee Market★

This is a fine melon which originated near Milwaukee. For a home garden melon or the roadside market it has no equal. Fruit of medium size, nearly round, lightly ribbed and fairly netted; skin light green, flesh thick, salmon colored and very sweet. Every home gardener who can grow melons should try this.

PRICE LIST OF MUSKMELON, WATERMELONS

	Pkt.	Oz.	10 Lbs.		
			¼ Lb.	1 Lb.	Per Lb.
MUSKMELON					
Gould's Osage	5c	10c	30c	\$1.00	75c
Golden Osage	5c	10c	30c	1.00	75c
Bender's Surprise	5c	10c	30c	1.00	75c
Oregon Delicious	5c	20c	75c	2.25	\$1.75
Imp. Hoodoo or Hearts of Gold	5c	10c	30c	1.00	75c
Netted Rock	5c	10c	30c	1.00	....
Milwaukee Market	5c	10c	30c	1.00	75c
Honey Dew Melon	5c	15c	45c	1.25	....
Sugar Rock	5c	10c	30c	1.00	75c
Salmon Fleshed Rocky Ford	5c	10c	30c	1.00	....
Yellow Meated Japan	5c	10c	30c	1.00	....
Hale's Best	5c	10c	30c	1.00	75c
Golden Champlain, Regular	5c	10c	30c	1.00	75c
Golden Champlain, Orig. Strain	5c	30c	90c	3.00	\$2.50
Golden Marvel	10c	45c	1.75	5.00	....
WATERMELON					
	Pkt.	Oz.	¼ Lb.	1 Lb.	
Winter Melon	5c	10c	30c	90c	
Stone Mountain	5c	10c	30c	90c	
Fordhook Early	5c	10c	30c	90c	
Tom Watson	5c	10c	30c	90c	
Improved Kleckley's Sweets	5c	10c	30c	90c	
Harris' Earliest	5c	10c	30c	90c	
Ice Cream or Peerless	5c	10c	30c	90c	
Improved Klondike	5c	10c	30c	90c	
Gypsy or Georgia Rattlesnake	5c	10c	30c	90c	
Citron	5c	10c	30c	90c	
Northern Sweet	5c	10c	35c	\$1.00	
Dixie Queen	5c	10c	30c	1.00	

The Golden Champlain Cantaloupe★

It is heavily netted, has a thin but tough rind, very thick flesh and small seed cavity. The flesh is a rich golden color, very tender, juicy and sweet. It is fine grained, free from stringiness and uniformly delicious clear to the rind. Growers always get top prices and very seldom have enough to supply the demand.

Improved Hoodoo, or Hearts of Gold★

Medium size, round and distinctly ribbed. The skin is thickly netted and the flesh a rich deep orange color of fine quality, with a very small seed cavity. Very solid and firm.

Golden Marvel

A new melon that will find favor with growers who wish to grow the best. They weigh from 5 to 8 pounds each. The flesh is a very deep orange color and the flavor is delicious.

Honey Dew Melon

Is in a class by itself. It is almost round; the skin is smooth and of a creamy yellow color. The flesh is light green and very sweet. We recommend starting in cold frames.

Salmon Fleshed Rocky Ford

This variety has rapidly grown in favor. The flesh is a rich salmon color and fine grained. The seed cavity is unusually small, which accounts for its superior shipping qualities. Very desirable for the home garden.

Yellow Meated Japan★

The melon is nearly round, grows to a large size, often weighing from 10 to 12 pounds each. It is unevenly ribbed, the skin turning from greenish white to yellowish white when ripe. The flesh is very thick of extremely delicious flavor, the color a deep salmon. A fine melon.

PRICE LIST OF MUSTARD

MUSTARD	Pkt.	Oz.	10 Lbs.	
			¼ Lb.	1 Lb.
Giant Southern Curled	5c	10c	20c	60c
White Seeded	5c	10c	20c	60c
Smooth Leaved	5c	10c	20c	60c
Tendergreen	5c	10c	25c	75c

MUSTARD

A very quick growing foliage plant that is grown principally for greens. Mustard greens have a rich flavor and are fully as healthful and nutritious as spinach.

Giant Southern Curled★

Used largely for salads or greens. Grows very large with a beautiful curled leaf. Very tender, of fine flavor.

Smooth Leaved

An excellent variety with very large, light green, fairly smooth leaves, borne well above the ground. Very prolific and hardy.

Tendergreen

A Japanese mustard or spinach. Very quick growing, can be cut four weeks after planting and is very resistant to summer heat.

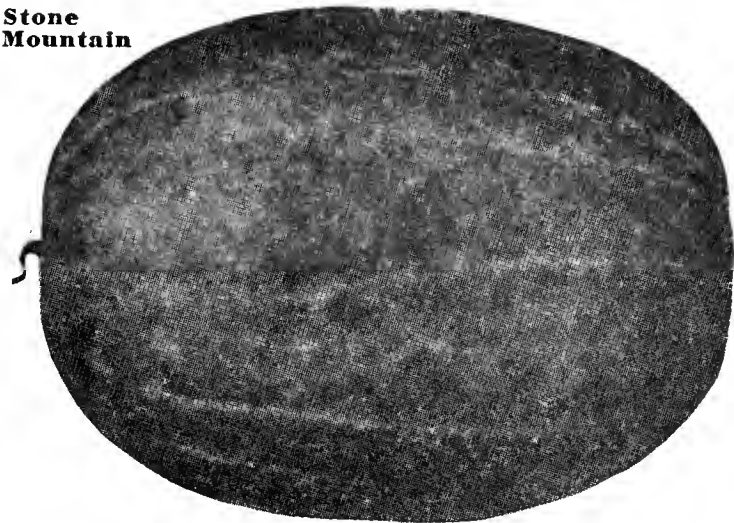
WATERMELON

CULTURE. The soil must be rich, light, sandy loam to obtain best results. Plant in hills 8 to 10 feet apart each way, putting 10 to 15 seeds in each hill from ½ to 1 inch deep. When 3 inches high, thin to about 4 plants in each hill. Cultivate often.

Stone Mountain (Sometimes Called Will Rogers)★

A new variety which shows slight ribs like a cantaloupe. Fruits are very large, nearly round, the color of the skin a pleasing green and the flesh a deep crimson. The flavor is exceptionally fine and it is highly recommended for the home garden and roadside market.

Stone Mountain



Winter Melon★

Is without a doubt the sweetest, firmest, most crisp of any watermelon grown. The rind is but ¼ to ½ inch thick. If picked from the vines before frosted, and placed in a cool dry place or buried in dry sand, it will keep until the holidays. The Winter Melon is late to mature, is nearly round, and looks very much like a citron.

Fordhook Early★

An extra early watermelon of large size. The rind is tough, making it desirable for shipping purposes. Flesh is bright red and very sweet.

Improved Kleckley's Sweets★

Oblong, medium early and of fair size. Skin is dark green and flesh a bright scarlet. One of the best early varieties for home use.

Harris' Earliest

A large early melon of oval shape. Skin green striped. Flesh bright red, and very delicious and tender. One of the first maturing melons.

Ice Cream or Peerless

An old favorite extra early melon for the home garden. Rind thin, of light green color, flesh bright scarlet and solid to the core. Is very sweet and delicious.

Northern Sweet★

This is a new variety of watermelon introduced from Russia by the Minnesota Agricultural Experiment Station. It is very early and of high quality. The fruit is small weighing from 8 to 10 pounds. The color is medium green with lighter stripes. Flesh is dark red and very tender. It is exceptionally sweet and matures in about 70 days.

Tom Watson★

A large, oblong melon, the skin of which is dark green, with thick netting on the entire surface. It weighs 30 to 40 pounds. The rind is thin but tough and flesh a bright, attractive red color, crisp, sweet and delicious. Desirable for both home and market use.

Improved Klondike★

The flesh is a distinctive shade of deep red. The rind is dark green; the shape is long with an average weight of 25 pounds. While more a home garden and market variety, it is adapted for shipping moderate distances. While cylindrical in shape, the Klondike tapers toward the blossom end. Matures in about 82 days.

Gypsy or Georgia Rattlesnake

One of the largest and finest melons grown. Is finding favor with Northern growers, as it is a splendid keeper and shipper. Is oblong in shape, striped and mottled with green. Flesh is bright scarlet and very sweet.

Dixie Queen

Skin is striped dark green and ivory. The flesh is bright red, very firm and fine flavored. Is almost round and weighs up to 50 pounds. Matures in about 80 days.

Citron for Preserves

Fruit is round and smooth and very prolific. It is not edible raw, but makes very fine transparent preserves. Red seed grows small citrons; green, large size.

ONIONS

Gould's Minnesota Globe Onions

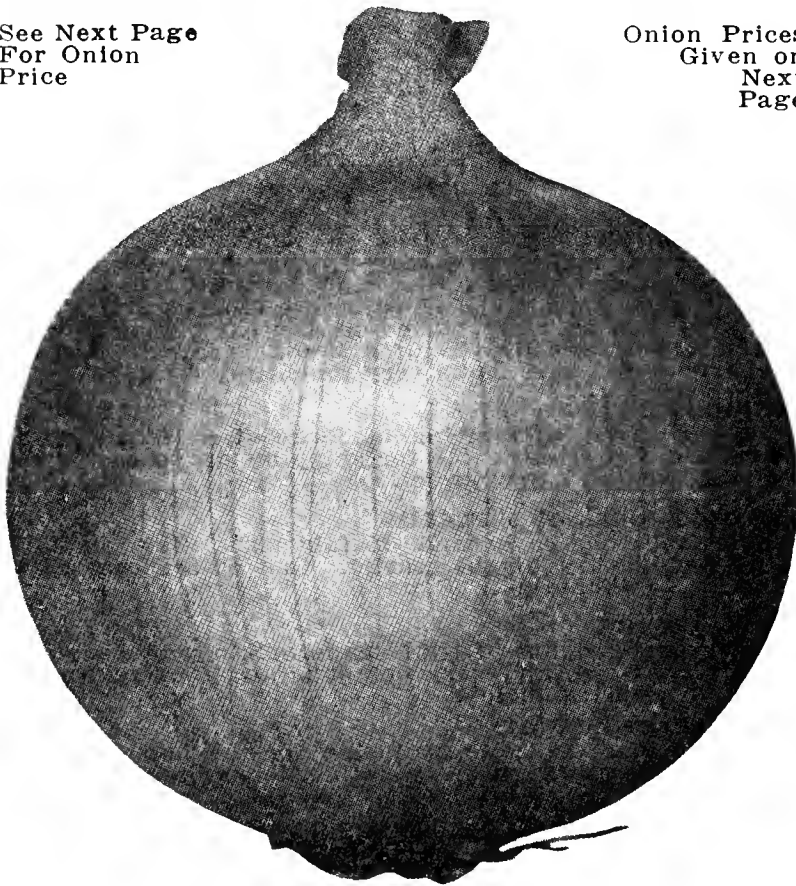
Everywhere Globe Onions bring the best prices and since our Minnesota Red, Yellow and White strains are the most highly developed of all Globes, we confidently recommend them to growers who want onions that will top the market.

CULTURE. Sow just as early as possible, that is, when the ground can be worked up nicely. Have your seedbed in perfect shape, for onions are slow in coming up and require close cultivation. It is sometimes advisable to mix a few radish seeds with your onion seed so as to allow for earlier cultivation. One ounce of seed will sow 200 feet in drill $\frac{1}{2}$ inch to 1 inch deep, 4 to 5 pounds of seed to an acre drilled 13 to 14 inches apart for hand cultivation or 20 to 22 inches apart for cultivating with horse. Cultivate often. Do not allow soil to bake.

FERTILIZER. Onions require fertile soil and as it is almost impossible to obtain enough barnyard manure to keep your soil in good growing condition, we advise and recommend using commercial fertilizers as a substitute. It is a proven fact that 1,000 pounds of 6-15-9 per acre will give as good results as 10 tons of manure.

See Next Page
For Onion
Price

Onion Prices
Given on
Next
Page



Gould's Early Yellow Globe Onion

I am enclosing herewith an order for various flower and vegetable seeds. Had remarkably good luck with your seeds at Tsingtao.

November 5, 1936

J. A. Collins,
Shanghai, China

YELLOW VARIETIES

Gould's Early Yellow Globe★

A new onion and very rapid grower. Will mature 10 to 15 days earlier than the Minnesota or Southport Yellow Globe. Gould's Early Yellow Globe always gets top prices on the market.

Gould's Minnesota Yellow Globe★

This variety of Yellow Globe onion, like our Minnesota Red Globe, is a most select strain of Yellow Globe onion. It is perfect in shape and in color, also having all the best keeping qualities obtainable. A remarkable strain of yellow onions.

Gould's Prizetaker★

Is without a doubt the largest onion that can be successfully grown in a northern climate. It is globe-shaped and has a straw-colored skin of a beautiful appearance, and is a great favorite for hotel and restaurant trade. Is very solid of fine flavor and an excellent keeper.

Southport Yellow Globe

A very popular strain of Yellow Globe onion. Matures early and is a good keeper. Skin is of rich brownish yellow, the flesh white, crisp and fine grained.

Yellow Globe Danvers

The bulbs are large and globular with very thin necks. The flesh is white and mild and the skin is orange-yellow. Is an enormous yielder, a fine keeper, and excellent for shipping.

Sweet Spanish, Riverside Strain

It is the most popular onion in Southern California and grows to large size, 4 to 4½ pounds. It does not produce the "stiff-necks" usual in the Spanish type.

Onions For Health

Onions give you energy and are rich in vitamins A and B, which aid digestion and assist your organs, glands and nerves to health. Onions increase bile secretions, aid children to grow and protect them from stomach ills.

WHITE VARIETIES

Gould's Minnesota White Globe★

Without a doubt the best White Globe onion grown. It is pure white, mild, and a good keeper. Being much milder than the red or yellow varieties, it is much preferred for family use. Our Minnesota White Globe Onion is one of the very finest varieties in existence.

Southport White Globe

Is a standard of the White Globe varieties. Flesh is crisp, mild, fine grained and pure white. Bulbs should be stored in a cool dark place as soon as matured.

Gould's Pickling

For early bunching or pickling and also for sets. It is pure white, round, and very firm and mild in flavor.

He-Shi-Ko Jap. Long White Bunching Onions

Beyond doubt, this is the best of bunching Onions; it is perfectly hardy in Minnesota. A vigorous grower, making no bulb, but producing fine white necks or stalks which may be trenched without fear of discoloration or rot. He-Shi-Ko is superior to White Welsh and better for the production of bunching or green onions than other bunching Onions. A hardy perennial onion that may be sown in August and September in drills 14 inches apart, for spring onions, or sown early in spring for later crop.



He-Shi-Ko White Bunching Onions

White Bunching★

An extra early round, white variety. It is exceptionally fine for early bunching, table, and for boiling. Matures large, snowy white onions.

White Portugal or Silver Skin★

Of medium size, flat shaped, ripening early and uniformly. Has a fine mild flavor. A splendid onion for pickling and early bunching, also for white bottom sets. A good keeper.

Onion Prices Listed on Next Page

SOILTEX A test for acid soil

SOILTEX Tells What Your Soil Needs—With Soiltex you can determine exactly in a few minutes whether your soil is acid, and how much lime it needs. Each outfit will make 75 to 100 tests. Full directions, color chart and lime table included. Postpaid \$1.00.

PRICE LIST OF ONIONS, OKRA AND PARSNIPS

Onion Price, 2 lbs. and up at the 5 lb. rate.

ONIONS	Pkt.	Oz.	¼ lb.	1 lb.	5 lbs.
RED VARIETIES					
Gould's Minnesota Red Globe..	5c	20c	70c	\$2.00	\$1.50
Southport Red Globe.....	5c	20c	70c	2.00	1.50
WHITE VARIETIES					
Gould's Minnesota White Globe	5c	20c	70c	2.00	1.75
Southport White Globe.....	5c	20c	70c	2.00	1.75
Gould's Pickling	5c	20c	70c	2.00	1.75
White Bunching	5c	20c	70c	2.00	1.75
White Portugal or Silver Skin..	5c	20c	70c	2.00	1.75
He-Shi-Ko Japanese Long					
White Bunching.....	5c	20c	70c	2.00	1.75
YELLOW VARIETIES					
Gould's Early Yellow Globe....	5c	20c	70c	2.75	2.50
Gould's Minnesota Yellow Globe	5c	20c	70c	2.00	1.75
Gould's Prizetaker.....	5c	20c	70c	2.00	1.75
Southport Yellow Globe.....	5c	20c	70c	2.00	1.75
Yellow Globe Danvers.....	5c	20c	70c	2.00	1.75
Sweet Spanish, Riverside.....	5c	20c	70c	2.00	1.75
OKRA					
	Pkt.	Oz.	¼ lb.	1 lb.	
Mammoth Long Podded.....	5c	10c	20c	60c	
Dwarf Green.....	5c	10c	20c	60c	
White Velvet.....	5c	10c	20c	60c	
PARSNIPS					
	Pkt.	Oz.	¼ lb.	1 lb.	10 lbs.
Hollow Crown.....	5c	10c	20c	65c	\$5.00
All American or Improved					
Hollow Crown.....	5c	10c	20c	65c	5.00
Sweet Marrow.....	5c	10c	20c	65c	5.00
Guernsey	5c	10c	20c	65c	5.00

GARDEN TOOLS. We handle a complete line of Planet, Jr. garden drills and cultivators, also weeders, hand cultivators, etc. See pages 54 and 57.

ONIONS (Continued)

RED VARIETIES

Gould's Minnesota Red Globe★

This beautiful strain of Red Globe onions is the result of many years' selection. For trueness of type, perfection of color and long keeping qualities, it is recognized as the best there is. The color of Minnesota Red Globe is a deep blood-red, extra dark, while the surface is smooth and glossy. The flesh is white, tinged with light purple, fine grained and unsurpassed in flavor.

Southport Red Globe

A standard Red Globe onion of very good quality, and attractive in color. This onion is very uniform both in size and shape. Grows to a diameter of from two and a half to three and a half inches

All onions and other vegetable varieties best suited for market are indicated by a star (★) after the name of the variety.

Bermuda Onion Plants

All plants are grown in open field, thereby assuring strong, hardy plants. They are tied one hundred plants to the bunch, and packed 6,000 to the crate. Planting about 3 inches apart in 16-inch rows will require 100,000 plants to the acre. Please write for prices about April 1, 1938. We expect to have White Wax, Yellow Bermuda, Sweet Spanish and Prizetaker plants.

Onion Sets

On account of the uncertainty of the onion set market we are unable to quote prices at the time this book is being printed in January, in larger than bushel quantities. See yellow list for prices. Prices in larger amounts will be available in March and April.

MUSHROOM SPAWN

One bottle—spawn size, enough to seed an area 35 to 40 square feet, with full directions how to grow mushrooms. \$1.15 postpaid.

The seeds came today. Thanks for such prompt service, it's as good as your seeds are. We found them perfect last year.
Chas. P. Brown,
March 19, 1936
Sherburne County, Minn.

OKRA

Okra is raised for the pods which are used in flavoring soups, stews, etc. The pods are at their best when 1 to 3 inches long.

CULTURE. Sow the seed thickly in rich ground as soon as the ground has become warm, in drills 3 feet apart and 1 inch deep. Thin out to 10 inches apart and cultivate freely.

Mammoth Long Podded

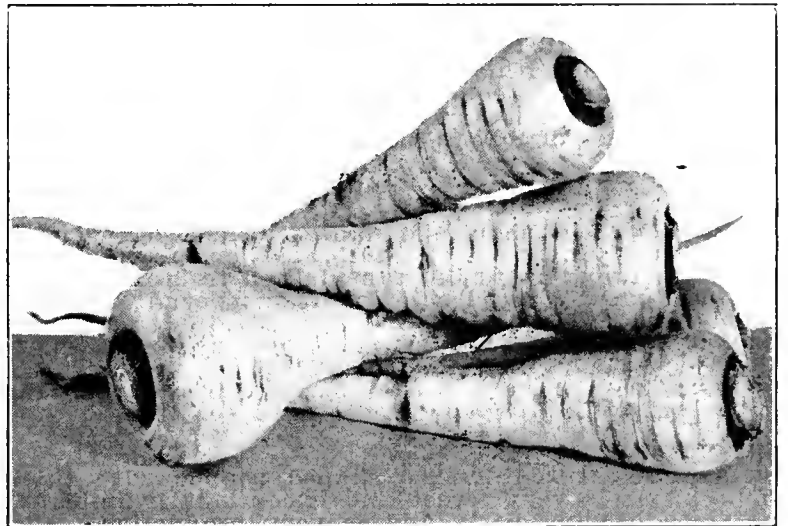
Very productive and bear dark green pods from 8 to 9 inches long.

Dwarf Green

Grows low but stocky and is very prolific. The short, deep green pods are of fine quality.

White Velvet

Has long, smooth, white pods which are very tender and of exceptional flavor until almost full grown.



Hollow Crown Parsnips

PARSNIPS

CULTURE. Work the soil very deep and pulverize the scedbed thoroughly. Sow the seed in early spring. ½ to 1 inch deep, in rows 18 inches apart. As soon as the young plants appear, cultivate and hand weed them, and when 3 inches high thin to 4 inches apart in the row.

Cultivate sufficiently to keep the soil loose throughout the season. Freezing improves the quality of Parsnips for table use, so it is customary to take up in the fall when the ground begins to freeze what will be needed for winter use, leaving the remainder to winter over in the ground, or better still, pitting them as is often done with other roots so that access may be had to them at any time. One ounce of seed for 200 feet of row; 3 lbs. seed required for an acre.

Hollow Crown★

Better known and more generally grown than any other sort. The roots are smooth, large, tender and sweet and of the best quality. This variety is easily distinguished by the leaves arising from a cavity on the top or crown of the root.

All American or Improved Hollow Crown

Not as long as the regular Hollow Crown but is more smooth and uniform in size. Free from fibre with only a small core.

Sweet Marrow

A very desirable variety for both home garden and market. Is fine grained and exceedingly sweet, with roots smooth and attractive in appearance.

Guernsey

A very good parsnip for the home garden. Being shorter than other varieties it is easier to dig up. Roots are very smooth, the flesh fine grained and excellent quality.

PEANUTS

Peanuts do best on a light, sandy soil. The ground should be ploughed deeply and thoroughly harrowed. Seed peanuts should be carefully hulled to prevent breaking the skin on the kernels. Plant in rows 2½ to 3 feet apart and 12 inches in the row. Cover about 2 inches. When matured, pull up and dry in the sun a few days. Vines are a valuable feed for horses, cattle and sheep. 1 lb. 25c, postage extra.

PARSLEY

CULTURE. Sow in early spring in drills 14 inches apart, 1/2 to 1 inch deep. Parsley seed is slow to germinate and requires from 20 to 30 days to show above the ground, therefore it is advisable to sow a few radish or lettuce seeds with the parsley seed as a guide for early cultivation.

Dark Moss Curled★

The leaves are of an extra dark green color. It is a heavy producer, and on account of the densely curled character of its leaves a quantity can be gathered in a short time. Very fine for garnishing and flavoring.

Double Curled

Fine dwarf crimped leaves. Very similar to the Dark Moss Curled excepting that leaves are finer curled. A very fine sort.

Plain Leaved

Widely known as Italian Parsley, are not curled but have an excellent flavor. Plant is very hardy.

Hamburg or Turnip Rooted Parsley

The edible roots of this variety resemble a small, thick parsnip in shape and color. They may be stored for the winter and used for flavoring soups, stew, etc. The flesh is white, a little dry, with the flavor of Celeriac.

PEPPERS

CULTURE. Seed should be planted in hotbed or greenhouse about March 10th to 20th. When plants are 3 inches high they should be transplanted to 2 or 3 inches apart until weather and soil conditions permit for outdoor planting. Then plant in rows 2 1/2 feet apart and 18 inches apart in row. Cultivate same as tomatoes.

FERTILIZER FOR PEPPERS

As a side-dressing, use 6-15-9 three times during the growing season, until peppers are well set.

Sunnybrook (Pimento Type)★

This is a bright red tomato shaped pepper with thick firm flesh. It is very sweet and exceptionally mild. It comes into bearing early and is very productive.



California Wonder Pepper

It is a cross between the Chinese Giant and Ruby King; fully as early as Ruby King and similar in shape, almost the size of Chinese Giant and far more prolific. Exceptionally mild, and can be eaten raw without fear of burning. Color of fruit is green at first, turning to a beautiful shade of scarlet. Flesh thick, which enables it to hold up a long time and makes it an excellent shipper.

Hungarian Yellow Wax

A very hot pepper growing 5 to 7 inches in length tapering to a blunt point. The color is of canary yellow with waxy appearance. A heavy yielder. A favorite with many because of its pungency.

California Wonder★

A new sweet pepper with very thick flesh. Fruit very large, smooth and heavy. A good yielder. It is blocky in shape, square in cross section, 4 inches wide and 4 1/2 inches long. Some will weigh as much as a pound each. Is deep green when small, changing to crimson. Matures late but has marketable fruits early.

Large Bell or Bull Nose★

This is one of the early Bell shaped peppers. It is somewhat hotter than the larger and later varieties. Large Bell is very desirable for pickling.

World Beater★

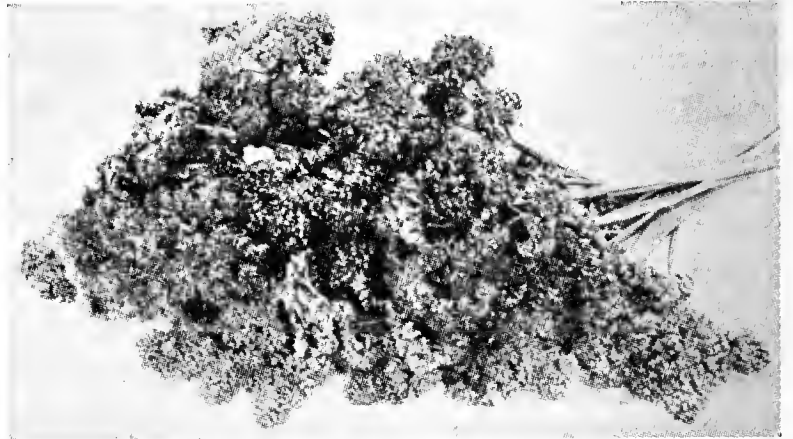
One of the finest large peppers yet introduced.

Rotate Your Crops

If you plant the same crop on the same piece of ground each year the soil becomes exhausted quicker than if you plant a different crop on this same soil. Also disease and insect pests multiply much faster on soil that has had the same crop, year after year. If you plant a root crop one year, do not plant another root crop on this same ground the next year.

PRICE LIST OF PARSLEY

PARSLEY	Pkt.	Oz.	1/4 lb.	1 lb.
Dark Moss Curled.....	5c	10c	30c	80c
Double Curled.....	5c	10c	30c	80c
Plain Leaved.....	5c	10c	30c	80c
Hamburg or Turnip Rooted.....	5c	10c	30c	80c



Dark Moss Curled Parsley

PRICE LIST OF PEPPERS

	Pkt.	Oz.	1/4 lb.	1 lb.
Sunnybrook (Pimento Type)....	\$0.05	\$0.40	\$1.25	\$4.00
California Wonder.....	.05	.50	1.50	5.00
Large Bell or Bull Nose.....	.05	.40	1.25	3.50
Long Red Cayenne.....	.05	.40	1.25	3.50
Chinese Giant.....	.05	.50	1.50	4.50
Crimson Giant or Ohio Crimson..	.05	.50	1.50	5.00
World Beater.....	.05	.40	1.25	4.00
Hungarian Yellow Wax.....	.05	.50	1.50	5.00
Oshkosh.....	.05	.50	1.50	5.00
Harris Earliest.....	.05	.50	1.50	4.50
Small Red Cayenne.....	.05	.40	1.25	3.50
Giant Magnum Dulce.....	.05	.50	1.50	4.50
Harris Early Giant.....	.05	.50	1.50	4.50
Neapolitan.....	.05	.40	1.25	3.50

We carry very select Pepper Plants in May.

Oshkosh

This is one of the earliest peppers, mild and exceptionally sweet. A very desirable, large variety. During growth it is an intense, deep glossy green, turning to a bright canary yellow at maturity. Fruits are smooth, without lobes, 4 1/2 inches in diameter, broad at the base and tapering to an abrupt, blunt point. Seed very limited.

Harris Earliest★

Those who have difficulty in raising Sweet Peppers should try Harris Earliest as it is an extra early pepper and will mature in a very short season. Plants are very uniform in growth, dwarf and compact, seldom over 18 inches in height, and extremely productive. Fruits mild and sweet, similar to Bull Nose in form. A very fine pepper for the home garden.

Chinese Giant★

One of the largest of the mild red varieties, very thick and blocky. In spite of its large size, plants carry an enormous amount of fruit and mature early. Fruit can be sliced and eaten like tomatoes. Has few seeds.

Crimson Giant or Ohio Crimson★

One of the best of the very large fruited sweet varieties. It grows as large as Chinese Giant but is earlier and more prolific. The peppers often measure 5 inches long, 3 1/2 inches in diameter. The color is a deep green turning to a rich crimson when mature.

Harris Early Giant

Is considered the earliest of the giant peppers. It is larger than the Ruby King but not as long and is a very good yielder.

Long Red Cayenne★

Is about 3/4 to 1 inch in diameter and 5 to 7 inches long. Although this also is pungent, it is not as sharp as the Small Cayenne. For pickling, either green or ripe.

Small Red Cayenne★

Is only 1/2 inch in diameter and 4 to 4 1/2 inches long. Is very hot, and used mostly in sauces.

Giant Magnum Dulce★

Is about 4 inches in diameter and 5 or 6 inches long. Is very mild, and can be eaten raw.

Neapolitan

A very early and productive large variety. The fruit is oblong and has a light green color gradually changing to golden and finally to a bright red. Very mild and sweet.

PEAS

CULTURE FOR GARDEN PEAS

Sow seed 2 inches deep in rich soil very early in the spring and for a succession put in varieties that mature at different periods or if dwarfs only are desired, sow a few rows every 10 days throughout the season. For hand cultivation sow in rows 15 inches apart, but if grown on a large scale it is best to sow in rows from 2 to 3 feet apart and cultivate them with a horse or tractor. One pound of seed will plant 100 ft. of row; 75 to 100 lbs. of seed required to an acre.

FERTILIZER FOR PEAS

Use about 300 pounds to the acre of 4-16-4, in drills, to get the best returns from your Pea crop. Fertilizer will improve the quality and increase the crop greatly.

EXTRA EARLY DWARF WRINKLED VARIETIES

American Wonder

This variety heads the list of Peas in flavor and quality. The vines bear a great abundance of good sized pods containing 5 to 8 large, exceedingly sweet, tender and well flavored Peas. Require no brush or other support. Grow to a height of about 10 inches.

Little Gem

Height 16 to 18 inches. It is a few days later than the American Wonder, but slightly larger and will bear for a longer period than other varieties. The Peas are green, wrinkled, of sweet, delicious flavor, and excellent quality.

Little Marvel

An extra fine dwarf Pea of the early wrinkled variety, with vines growing to about 14 inches high. Pods are about 3 inches long of a dark green color. Peas are very sweet and tender. Especially suited for home gardens and early market gardening.

Nott's Excelsior

A standard extra early dwarf wrinkled Pea. The foliage is stout and heavy, about 12 inches high with an abundance of pods containing 6 light green wrinkled Peas each. The Peas are unsurpassed in sweetness and quality and are very desirable for the home gardener.

Laxtonian Peas



LARGE EARLY WRINKLED VARIETIES

Laxton's Progress★

One of the best large podded early dwarf varieties. Vines will average about 18 inches, pods 4 inches. Pods with 8 delicious peas are dark green. Matures early.

Laxtonian★

A very early Pea of unexcelled value. It is not only early but is of splendid quality and unusually productive. Although it is a dwarf sort, growing only to 18 inches in height, it excels in yield and equals in size of pod, the Gradus. The pods are deep bluish-green, pointed at the end, generally borne singly and measure 4 to 4½ inches in length. The Peas number 7 to 10 to the pod, are large in size and of delicious flavor.

Thomas Laxton★

Large podded, extra early Pea. The pods contain on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet. In flavor this Pea is unsurpassed. A very popular variety for the market gardener.

PRICE LIST OF PEAS

25 lbs. and up @ 100 lb. rate

	Pkt.	PRICE LIST OF PEAS				
		½ lb.	1 lb.	2 lb.	10 lb.	100 lb.
EXTRA EARLY DWARF WRINKLED VARIETIES						
Little Gem	10c	20c	35c	50c	\$1.75	\$16.00
American Wonder	10c	20c	35c	50c	1.75	16.00
Little Marvel	10c	20c	35c	50c	1.75	16.00
Nott's Excelsior	10c	20c	35c	50c	1.75	16.00

	Pkt.	PRICE LIST OF PEAS				
		½ lb.	1 lb.	2 lb.	10 lb.	100 lb.
LARGE EARLY WRINKLED VARIETIES						
Laxton's Progress	10c	20c	35c	50c	1.50	13.25
Carter's Daisy	10c	20c	35c	50c	1.50	13.25
Gradus	10c	20c	35c	50c	1.50	13.25
Thomas Laxton	10c	20c	35c	50c	1.50	14.50
Laxtonian	10c	20c	35c	50c	1.50	13.25

	Pkt.	PRICE LIST OF PEAS				
		½ lb.	1 lb.	2 lb.	10 lb.	100 lb.
MAIN CROP VARIETIES						
Teddy Roosevelt	10c	20c	35c	50c	1.50	12.75
Telephone	10c	20c	35c	50c	1.50	12.75
Alderman	10c	20c	35c	50c	1.50	12.75
Everbearing	10c	20c	35c	50c	1.75	15.00
Hundredfold	10c	20c	35c	50c	1.50	12.75
Mam. Melting Sugar	10c	25c	40c	75c	3.25	30.00

Carter's Daisy or Early Dwarf Telephone★

This Pea is always in great demand owing to its earliness combined with its large pods and excellent quality. It is very desirable for early market, always obtaining top prices. Vines are very vigorous, reaching about 18 inches, with well filled pods. Vines require no support.

Gradus or Prosperity★

One of the earliest wrinkled sorts. The vines are very vigorous and robust, growing to a height of about 2½ feet. It is not only an abundant producer, but bears continually throughout the season. The pods are very large and are invariably well filled with from six to nine sweet, tender, wrinkled Peas of large size and delicious flavor.

FERTILIZER FOR PEAS

Use about 300 pounds to the acre of 4-16-4, in drills, to get the best returns from your Pea crop. Fertilizer will improve the quality and increase the crop greatly.

MAIN CROP VARIETIES

Telephone★

Another leading Pea with market gardeners. It comes into bearing fairly early, yields abundant crops of large, fine appearing pods and Peas that are sweet and luscious. The vines grow about 3½ to 4 feet in height. Each vine bears on an average seven to ten pods, which are ready for picking in about 65 days. The immense pods are straight, and of fine appearance, and contain eight to nine large, wrinkled Peas, closely packed, tender, sweet and of exquisite flavor.

Alderman★

This is a very large podded Pea, very robust and vigorous, producing pods of the largest size. The pods are even larger and longer than the average large podded sorts, and are well filled with large Peas of most excellent flavor. The vines are from 3½ to 4 ft. in height.

Teddy Roosevelt★

One of the best of the large dark podded Telephone types and one of the most productive and surest yielders. The vines grow to a height of 4 feet, producing in large numbers, large, well filled pods of a dark green color, each pod containing from 8 to 9 large wrinkled Peas of splendid quality.

Hundredfold★

This Pea resembles the Laxtonian but is a little larger and more prolific. Vines grow to a height of 16 to 18 inches, pods dark green, and containing 8 large dark green Peas of excellent quality. This is a very fine home garden Pea.

Everbearing

Reaches a height of 2½ to 3 feet. As name indicates this variety continues long in bearing and is very prolific. The Peas are very large green wrinkled and of excellent quality. Are tender and of superior flavor. One of the best for late summer and autumn use.

Mammoth Melting Sugar

This variety is cooked up the same as a snap-bean, both pod and pea being eaten. The pods are large, extremely tender and fine flavored when young.

Peas are postpaid only in 10c packets. In half pound lots or more, add postage on mail orders.

SEED POTATOES

See Special List for Prices
of Seed Potatoes.

In selecting our stock of seed potatoes we endeavor to secure the best that money can buy. Some varieties are grown for us in the Red River Valley, while others are obtained in Wisconsin and Northern Minnesota.

We exercise the greatest care in sending out stock that is true to type, sound and free from disease, but still we would advise treating with Formaldehyde, Mercuriol, or Semesan-Bel before planting, as the soil you plant in may be previously infected.

Directions for treating potatoes with Formaldehyde to prevent scab and several other equally destructive potato diseases: Soak the tubers (before cutting) one and one-half hours in a solution made at the rate of one pound of Formaldehyde to thirty gallons of water, or for small quantities, 1 ounce to 6½ quarts of water. Then cut and plant as usual.

Treating Potatoes with Semesan-Bel

Special Semesan-Bel booklet, giving full information and instructions on the treatment of potatoes against disease, etc., will be sent on request. See Insecticide page for prices on Formaldehyde and Semesan.

Mercuriol. A simple, effective and economical treatment for seed potatoes to help eliminate infections of scab, blackleg and rhizoctonia. 1 quart of Mercuriol and 25 gallons of water, treats 40 bushels of potatoes. 1 pint, 70c; 1 quart, \$1.25; 1 gallon, \$4.25.

FERTILIZER. Most of our Minnesota Peat soil can be made to produce abundant crops if the proper fertilizers are applied. For potatoes, an application of 600 pounds of 0-9-27 to the acre, will give wonderful results; while on upland, we would recommend using 500 pounds to the acre of 3-15-12.

Early Ohio Red River Valley Stock

For early market it has no equal. It is a good keeper notwithstanding its earliness. This potato is in more demand than any other variety and can be depended on to give a uniformly good yield under almost all conditions and soils. Has a very smooth pinkish skin, shallow eyes.

Early Triumph

This is the earliest potato grown in many states. The size is from medium to small and almost round. The skin is red but the flesh is white and firm. It is a good keeper and a favorite with many as it is about 7 to 10 days earlier than the Ohio.

Green Mountain

The best late white potato, similar to the Rural New Yorker, but is a more oblong rectangular tuber. It is better suited to rich heavy soils than Rural New Yorkers as the tubers are not likely to grow hollow. Yields heavily even on poor soil. A popular variety in North Central and Northeastern Minnesota.

Irish Cobbler

It is a very early round white potato somewhat flattened with rather deep eyes, medium to large in size. The Irish Cobbler is a very vigorous grower and is not as liable to be diseased as other varieties. It is a heavy yielder and a good keeper, and especially well adapted to peat soils in Minnesota.

Warba

A new introduction by the Minn. Exp. Sta. Matures early; about 7 to 10 days earlier than Triumph or Early Ohio. Is a big yielder. Shape similar to the Triumph but larger. Tubers are round, blocky, white with pink eye.

Chippewa

Another new late potato introduced by the U. S. Dept. of Agric. Is earlier than Green Mountain or Carman and a heavier yielder. It is a fine cooker with very shallow eyes. Shape is semi-round and somewhat longer than its width.

Russet Burbank

One of the best potatoes for baking. Cooks up mealy and pearly white. Tubers are of good size, oblong with shallow eyes and netted skin. Very disease resistant. Produces a heavy crop but should be planted on rich ground.

PUMPKINS

CULTURE. Pumpkins may be planted with corn by planting the pumpkin seed in every 4th or 5th row of corn one way by every 3rd or 4th row across, dropping 4 seeds in a hill. When raised alone, the hills should be 10 feet apart each way, dropping 6 or 7 seeds in a hill and cultivating both ways. Cultivate with a section of the harrow. One ounce of seed will make 15 hills, and about 2 pounds are needed for an acre.

Early Sugar or Pie★

This pumpkin is small, round, slightly ribbed, skin and flesh deep orange. Flesh is very thick, fine grained, sweet and of finest quality. A big yielder and a good keeper. One of the best for pies.

Winter Luxury Pie

Round, medium in size with a golden yellow skin, closely netted. Exceptionally fine for pies and a good keeper. Flesh is thick, sweet, tender and of fine flavor.

Gould's Mammoth Field

One of the largest and best, especially for stock feeding. It is also a good keeper.

Connecticut Field★

The standard field Pumpkin. It is largely grown for stock feeding, but is also generally used for pumpkin pie and canning. The outside is reddish orange in color, the inside orange yellow. Is very solid, fine grained and slightly ribbed. Strong and vigorous grower.



Early Ohio Potato

White Gold

An early potato very much like the Green Mountain for size and shape. It matures about ten days to two weeks earlier than Triumph, Early Ohio or Irish Cobbler. See Special Field Seed List for prices.

Seed Potato Prices will be found on Special Field Seed Price List.

PRICE LIST OF PUMPKINS

	Pkt.	Oz.	¼ lb.	1 lb.
Connecticut Field	5c	10c	25c	\$.60
Large Cheese or Kentucky Field.....	5c	10c	25c	.65
Gould's Mammoth Field.....	5c	10c	30c	1.00
Winter Luxury Pie	5c	10c	30c	1.00
Early Sugar or Pie.....	5c	10c	30c	1.00

VEGETABLE PLANTS

During the months of May and June we offer seedling or pot-grown vegetable plants in the most popular varieties. It depends on weather conditions as to just how early plants are ready, but the plant season usually begins the forepart of May and extends well into June. We carry exceptionally fine plants and people who want better than the ordinary come to us from all over the Northwest for their plants. While we use every precaution and care possible in packing and forwarding plants, orders by mail are sent at purchaser's risk. However we experience very little trouble in sending plants by mail, excepting with potted plants. THESE CANNOT BE SENT EXCEPTING BY EXPRESS. If you wish plants by the hundred or more, please write for price stating the kinds you want.

In ordering sent by mail, include 15% for postage and packing within the 3rd zone, with a minimum of 25c. Pot-grown plants sent by express must be crated, for which there is an additional charge of 40c a crate holding about 24 potted plants.

Cabbage. Early, Golden Acre and Copenhagen. Doz. 20c.

Cabbage Plants. Late, Holland. Doz. 15c.

Cauliflower Plants. Doz. 25c.

Celeriac (Root Celery). Doz. 25c.

Celery Plants. Doz. 20c.

Chives. Clump 15c, postpaid 25c.

Eggplant. Doz. 35c.

Ground Cherry (Husk Tomato). Doz. 35c.

Parsley Plants. Doz. 25c.

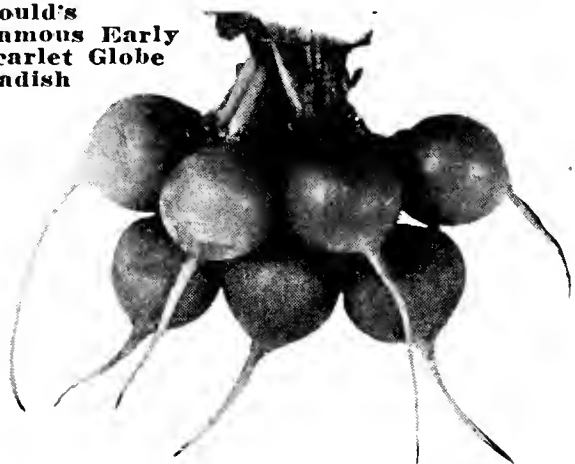
Tomatoes, include Gould's Standard, John Baer, Earli-anna, Beauty, Bonny Best, Dwarf Champion, Stone, Ground Cherry, Yellow Plum, Ponderosa, Golden Ponderosa, Pritchard, etc. 35c per dozen.

Pot-grown plants are 50c to \$1.50 a dozen plants on most of the above varieties.

RADISH

CULTURE. Radish should be grown on good rich sandy loam. Avoid seeding in soil where you have had any root crop that became infested with root maggot, if possible. As a preventive of maggots it is well to treat your soil with a good dressing of tobacco dust, or Carbola. By using these preparations at intervals of about 10 days, you will be able to overcome maggots. Plant your radish one-half inch deep in rows 12 to 14 inches apart as soon as the soil is in condition to work nicely in the spring. When the plants are about 1 inch high, thin enough to avoid crowding. Cultivate often and shallow to retain moisture and destroy weeds.

Gould's
Famous Early
Scarlet Globe
Radish



PRICE LIST OF RADISH

EARLY ROUND RADISHES

	Pkt.	1 Oz.	1/4 lb.	1 lb.	2 lb.	10 lbs.	100 lbs.
Gould's Early Scarlet Globe	5c	10c	30c	75c	\$1.25	\$5.00	\$40.00
Gould's Reliable Forcing	5c	10c	30c	75c	1.25	5.00	45.00
Gould's Scarlet Turnip White Tip	5c	10c	30c	75c	1.25	5.00	45.00
Sparkler	5c	10c	30c	75c	1.25	5.00	
Yellow Ball	5c	10c	30c	75c	1.25		

LONG VARIETIES

	Pkt.	Oz.	1/4 lb.	1 lb.	2 lb.
Long White Summer or White Strasburg	5c	10c	30c	75c	1.35
White Icicle	5c	10c	30c	75c	1.35
French Breakfast	5c	10c	30c	75c	1.35
Long Scarlet Short Top	5c	10c	30c	75c	1.35

WINTER RADISHES

	Pkt.	Oz.	1/4 lb.	1 lb.	2 lb.
China Rose	5c	10c	30c	75c	1.35
California Mam. White	5c	10c	30c	75c	1.35
Long Black Spanish	5c	10c	30c	75c	1.35
Round Black Spanish	5c	10c	30c	75c	1.35

EARLY ROUND RADISHES

Gould's Early Scarlet Globe★

A selected forcing strain especially adapted to greenhouse and hotbed growing, but may be grown outdoors also with good results. The shape is a little longer than round and the color, which it holds long after pulling, is very brilliant and attractive. A standard for the market gardener.

Gould's Reliable Forcing★

Is the earliest of the greenhouse forcing type. It is of a beautiful bright scarlet, somewhat turnip-shaped, producing a very small top, very desirable for forcing.

Gould's Scarlet Turnip White Tip★

A special strain of white tip radish, the best of its kind ever offered. It is very early and does equally well for greenhouse forcing and for outdoor culture. The flavor cannot be excelled, it being sweet, mild and crisp. The color is a bright scarlet with white tips, making a particularly fine appearance on the table.

Sparkler

The roots even when fully developed, are solid, crisp and sweet. The color is a rich carmine with a pure white tip. The tops are small, but large enough for bunching. Equally well adapted for forcing.

Yellow Ball

A fine summer variety of quick growth. The root is a perfect globe shape with a golden yellow skin, while the flesh is pure white, very firm, mild and crisp. A good producer even in the hottest kind of weather.

LONG VARIETIES

Long White Summer or White Strasburg

A large, medium long sort with heavy tapering shoulders. Flesh and skin pure white. Firm and crisp. A fine summer variety that resists drought.

White Icicle

Matures long and slender radishes of pure white skin and flesh. Ready for pulling about three weeks after sowing. It is crisp, mild, sweet and tender both when young and until it attains a large size. One of the finest sorts for the home garden as well as for market.

French Breakfast

A great favorite for open ground or forcing. Beautiful bright scarlet, with pure white tip. Oblong in shape, of medium size, and a rapid grower. It is a fine table variety due to its excellent quality and appearance.

Long Scarlet Short Top

A standard and popular well known long red radish of good quality. Matures to a size of about 6 inches but it can be used before fully grown.

WINTER RADISHES

Try some this year. These grow to large size and keep well for winter and spring use. Sow seed from middle of June to July 1st, for fall and winter use.

China Rose

Of a bright rose color, flesh solid and crisp. The shape is long, but stump rooted, tapering abruptly to a small tip. One of the best winter varieties.

California Mammoth White

A very good fall and winter variety. The skin and flesh are white, very tender and crisp, decidedly pungent but well flavored. Roots are about 8 inches long.

Long Black Spanish

One of the largest, latest, as well as the hardiest of all radishes. The shape is oblong tapering to a point, the skin almost black, flesh white and very firm.

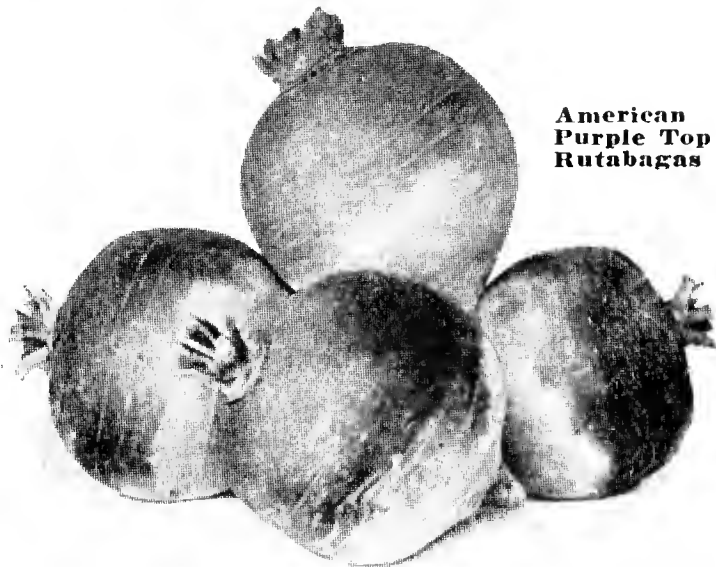
Round Black Spanish★

A large round turnip shaped root, growing to as much as 3 to 4 inches in diameter. The skin is black, but the flesh is white and an excellent keeper.

PRICE LIST OF RUTABAGA

RUTABAGAS

	Pkt.	Oz.	1/4 lb.	1 lb.	5 lb.	100 lb.
N. K. Prize Winner	5c	10c	30c	60c	\$2.00	\$28.00
American Purple Top	5c	10c	30c	60c	2.00	28.00
Neckless Purple Top	5c	10c	30c	60c	2.00	28.00



American
Purple Top
Rutabagas

RUTABAGA

American Purple Top★

A hardy productive variety with a small neck; roots are large globe shaped with a very small tap root. The color is a bright yellow with a purple top, flesh solid, tender and sweet.

N. K. & Co's. Prize Winner★

A purple top yellow fleshed variety of good size and exceedingly uniform in appearance. Valuable for table use as well as for stock feeding.

Neckless Purple Top★

Grows to large size. Flesh of a bright golden color. Top is purple and almost neckless. A very fine variety for table use.

SALSIFY (VEGETABLE OYSTER)

Salsify is used the same as carrots, or, after having been boiled, make into cakes and fry like oysters, which they resemble in flavor. Culture of Salsify is the same as Parsnips. One ounce of seed will sow 60 feet of row. Five pounds of seed required for an acre.

Sandwich Island

Grows to a large size, is of fine quality and flavor. The roots when cooked are very palatable and nutritious with a flavor similar to oysters. A very desirable winter vegetable.

Long White French

A well known standard variety. The roots are long, white and smooth. A favorite market variety.

SORREL

The leaves are esteemed as a salad or may be boiled and served like spinach. Sow in rows 18 inches apart. It is hardy and roots should be divided every 3 or 4 years.



Gould's Improved Hubbard Squash

SQUASH

CULTURE. Plant when all danger of frost is past. For vining varieties plant in hills 8 to 10 feet apart each way. The early summer or bush varieties may be planted 5 feet apart. Place 8 to 10 seeds in a hill one inch deep. When plants are three inches high thin to 3 or 4 in a hill.

SUMMER VARIETIES

White Bush Scallop

Matures early and will bear quickly. The Squash are large size, somewhat flattened, pure white, with thick flesh of good quality.

Cocozelle or Italian Vegetable Marrow★

The fruit is long and slender, of a dark green color at first, but when maturing it changes to a lighter green with yellowish stripes. In best condition to use when 8 to 12 inches long. May be sliced and fried or baked.

Golden Summer Crookneck

Early and prolific. The fruits are of true crookneck type, heavily warted and of light golden color.

Giant Summer Straightneck★

A selection of Summer Squash with a straight neck instead of the usual crookneck. It grows about 18 to 20 inches in length, is very thick meated and has a beautiful orange color.

WINTER VARIETIES

Mammoth Chili

An extra large variety used mostly for stock feeding. Very beautiful in appearance often weighing 75 pounds each. The yield will run from 8 to 10 tons per acre, producing a very cheap and nutritious feed.

Banana Squash

One of the best varieties for either summer or winter use. Shell is grayish-green and the flesh is a deep golden color. Cooks smooth and of a delicious flavor. Fruits measure 20 to 30 inches long, 7 to 12 inches thick.

Sweet Potato Squash

Fruits grow 6 to 8 inches long. Have very thick flesh, unusually sweet and tender. They are a real table delicacy when baked and served with butter.

Buttercup

A new introduction by Prof. Yeager of North Dakota. It is medium to small in size, the flesh is very thick and the flavor delicious. The shape is somewhat of a turban with a tendency to being flat. Seed cavity is very small.

Price List of Salsify, Sorrel, Squash and Tobacco

SALSIFY	Pkt.	Oz.	¼ lb.	1 lb.
Sandwich Island.....	5c	15c	50c	\$1.75
Long White French.....	5c	15c	50c	1.75
SORREL	10c	25c	60c	2.00
SQUASH—Summer varieties	Pkt.	Oz.	¼ lb.	1 lb.
White Bush Scallop.....	5c	10c	30c	75c
Vegetable Marrow	5c	10c	30c	90c
Cocozelle or It. Veg. Marrow.....	5c	10c	30c	90c
Golden Summer Crookneck.....	5c	10c	30c	75c
Giant Summer Straightneck.....	5c	10c	30c	75c
SQUASH—Winter varieties	Pkt.	Oz.	¼ lb.	1 lb.
Gould's Improved Hubbard....	5c	10c	30c	\$.75 \$6.50
Chicago Warted Hubbard....	5c	10c	30c	.75 6.50
Table Queen.....	5c	10c	30c	.75
Mammoth Chili.....	5c	10c	30c	.90
Gould's Blue Hubbard.....	5c	10c	30c	.75 6.50
Banana	5c	20c	45c	1.25
Sweet Potato	5c	15c	45c	1.25
Buttercup	5c	20c	45c	1.25
Turban	5c	20c	60c	2.00
TOBACCO	5c	1.00	3.00	....

Gould's Blue Hubbard

A strain of the regular Hubbard. Fruit is large, blue-gray shell, long keeping and finest quality. A very popular variety on some of the eastern markets and becoming of increasing importance on the Twin City markets.

Gould's Improved Hubbard

This Squash is the favorite for long keeping. The vines are strong and very productive. The skin is rather smooth, of a dark, green color. When well matured and dried, it becomes very hard and will keep well into the winter. Flesh is bright orange yellow, fine grained, dry, sweet flavored.

Chicago Warted Hubbard★

Very similar to Gould's Hubbard, but skin is darker and covered with heavy warts. Also a good keeper.

Turban

This is somewhat of a novelty. It is turban shape, and the color varies from green and yellow to dark red. This can be shellacked and used as an ornamental Gourd.

Table Queen★

A small Squash that is rapidly gaining favor as a market variety. Fruit acorn shaped, color dark green, size 6 inches long and 4 inches in diameter, of good quality. A fine variety for home or market garden.

TOBACCO

Seed should be sown as early as possible after danger of frost is past. Cover seed very lightly. When plants are 5 to 6 inches high, transplant into rows 4 or 4½ feet apart each way.

TOMATO

Break O' Day

A wilt-resistant tomato developed by Dr. F. J. Pritchard of the U. S. Dept. of Plant Industry. Is nearly as early as Earliana and as productive as Marglobe. Fruits are large, smooth, meaty, red and globe shaped.

Livingston's Beauty★

One of the smoothest skinned and best of the large sorts. The vines are large, vigorous and very productive. The fruit is large, uniform in size and very smooth. The skin is purplish-pink and flesh is pink; very solid and fine flavored. A fine variety for medium early or for main crop. A splendid sort for slicing.

Stone★

This is one of the most popular of the late varieties. It is a good late canning tomato and is grown in some sections as a market garden variety. The plants are strong and vigorous and produce a heavy yield of fruit where the growing season is long. The fruit is bright red in color, of good size, smooth, round, meaty and fine flavored.

Marglobe★

A fine blight resistant tomato produced under the direction of Dr. F. J. Pritchard of the United States Bureau of Plant Industry. The plants are very disease resistant. It produces immense yields of handsome deep red globe-shaped tomatoes, of good size with a flavor that is a The shape and size make this a very desirable salad or slicing tomato.

Crimson Cushion or Beefsteak

Is very large, round, with bright scarlet skin, solid flesh of fine quality and seed cells small. Plants are very prolific.

Oxheart

Fruit is large and very solid with few seeds. It is heart-shaped, the skin pink, and the flavor delicious. Used for second early and main crop.

TOMATO

CULTURE. Tomato seed should be planted in a box in the house or in hotbeds or greenhouse about the 1st of March, then transplanted once or twice to develop the roots to a good size before setting out in the open. Do not set out until all danger of frost is passed, as tomatoes are easily damaged by frost.

Tomato Plants listed on page 18.



Gould's Early Standard Tomato—Reduced in Size
Note its very meaty appearance

Fertilizer for Tomatoes—Use 6-15-9 as a side-dressing about three times during the growing season, until tomatoes are well set.

Earliana "Private Stock"★

The result of many years' selection from the most perfect and earliest stock. Produces more uniform fruit of a smooth, perfect shape than any other early variety.

Spark's Earliana

One of the very earliest sorts. Fruit of fair size, color bright scarlet. A prolific bearer, yielding fruit in clusters, particularly in warm sandy soil.

Dwarf Champion

Dwarf and compact in habit. Stands up well even when loaded with fruit, having a stiff, bushy stem. May be planted close together making it desirable for small gardens. The fruit is of a purplish pink color, medium size, smooth, very attractive and fine flavored. Skin is tough and flesh solid, but has no hard core.

Rutgers★

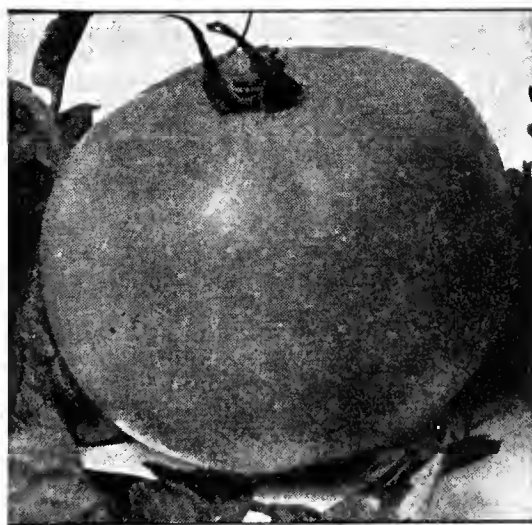
This is a recent introduction by the New Jersey Agricultural College. It is especially adapted for market gardeners. The flesh being firm and sparkling red, maturing about the same time as Marglobe.

Bonny Best★

A very popular second early variety. Ripens a few days later than Earliana. Vines are vigorous, prolific, fruit red, solid, medium in size, smooth, small core and very uniform in size and color. A very popular variety for early market and also a good home garden tomato.

New Penn State★

Originated by Dr. C. E. Meyers of the Agricultural Experiment Station of Pennsylvania after seven years of breeding work. The plant is vigorous and yet compact with heavy foliage to protect from sun scald. It is as early as the Earliana and of much better quality.



New Penn State Tomato

Pritchard★ (Scarlet Topper)

This new variety introduced by the U. S. Dept. of Agriculture, is from their experiments, the most perfect disease, wilt and rust-resisting tomato. The fruits are scarlet, large, globe-shaped and very attractive. Pritchard matures as early as Bonny Best and is highly recommended for both home and market garden.

Gould's Early Standard★

Gould's Early Standard Tomato is the result of many years of experimenting to obtain a meaty, heavy bearing tomato, that would produce early and continue to bear fruit until frost.

It has no equal for the home garden or for market, being an excellent keeper and shipper, fruit being firm, coloring beautifully, producing abundantly from early summer till frost. Flavor is unsurpassed. Unexcelled for canning. No expense has been spared to make Gould's Early Standard the best tomato grown anywhere.

PRICE LIST OF TOMATO

	Pkt.	Oz.	1/4 lb.	1 lb.	
Gould's Early Standard.....	15c	\$4.00	\$15.00	...	
John Baer	5c	35c	1.00	\$3.50	
New Penn State.....	10c	1.00	3.00	10.00	
Earliana Private Stock.....	15c	6.00	...	...
Spark's Earliana.....	5c	35c	1.00	3.50	
Break O'Day	5c	35c	1.00	3.50	
Livingston's Beauty.....	5c	35c	1.00	3.50	
Bonny Best.....	5c	35c	1.00	3.50	
Oxheart	5c	60c	2.00	6.00	
Marglobe	5c	35c	1.00	3.50	
Sterling	5c	35c	1.00	3.50	
Dwarf Champion.....	5c	45c	1.50	4.50	
Stone	5c	45c	1.50	4.50	
Ponderosa	5c	50c	1.60	4.50	
Crimson Cushion or Beefsteak....	5c	50c	1.60	4.50	
Pritchard	5c	50c	1.60	4.50	
Rutgers	5c	35c	1.00	3.50	
Golden Ponderosa	5c	1.00	3.25	...	
SMALL FRUITED VARIETIES			Pkt.	Oz.	1/4 lb.
Ground Cherry or Golden Husk.....	5c	50c	1.50	...	
Yellow Plum.....	5c	50c	1.50	...	
Yellow Pear.....	5c	50c	1.50	...	
Italian Large Plum.....	5c	50c	1.50	...	

October 13, 1936.
I picked 917 ripe and 2 bushels of green tomatoes from 12 Gould's Standard tomato plants which I purchased from you this spring. This is all the more remarkable when you take into consideration the extremely hot and dry summer we had. Best of all, the quality of Gould's Standard tomato is the best of any variety I have ever tried.
Edw. Bigglestone, 771 No. Pascal Ave., St. Paul.

John Baer★

Is considered one of the best early tomatoes grown. Fruit is smooth, uniform in size, nearly round, firm and of excellent quality. Will hold up well for shipping. It is a heavy bearer that will last all summer. A favorite with market gardeners, shippers and canners.

Ponderosa

This is the largest fruited Tomato. It is solid with very small seed cells, of very fine quality for slicing. Some of the fruit is oblong in shape and somewhat ribbed. The color is purplish red. The vines are strong and if staked will grow to a height of 6 or 7 feet.

Golden Ponderosa

A large golden-yellow tomato, in shape very much like the Red Ponderosa. The vines are vigorous and bear right up to frost, fruits very uniform in size and shape that contain very few seeds.

SMALL FRUITED TOMATOES

Ground Cherry or Golden Husk

These are greatly valued for preserves or for making pies. Fruit is very sweet and mild in flavor.

Yellow Plum

A small yellow fruited variety, finely flavored, resembling a plum in size and form. Used mostly for preserving.

Yellow Pear

Fruit is pear shaped, slightly larger than the Yellow Plum, of clear yellow color.

Italian Large Plum

This is a bright red plum shaped tomato. The fruit is borne in clusters of six or more. It is very prolific and is used extensively for salads and preserves.

"GARDEN HUCKLEBERRY" OR WONDERBERRY
Not a true huckleberry, but belongs to the tomato and pepper family. The fruit is deep purple, nearly black, round and slightly smaller than a Concord Grape. Plants, 3 feet. Culture same as tomatoes. Pkt. 5c.

PRICE LIST OF SPINACH

	Pkt.	Oz.	1 lb.	2 lbs.	10 lbs.	100 lbs.
Bloomsdale or Savoy.....	5c	10c	35c	55c	\$2.00	\$18.00
Long Stand Bloomsdale...	5c	10c	35c	55c	2.00	18.00
Virginia Long Standing...	5c	10c	35c	55c	2.00	18.00
Round Thick Leaf.....	5c	10c	35c	55c	2.00	18.00
Long Standing	5c	10c	35c	55c	2.00	18.00
Eskimo or Thick Leaf.....	5c	10c	35c	55c	2.00	18.00
Old Dominion	5c	10c	35c	55c	2.00	18.00
New Zealand	5c	10c	45c	75c	3.50	
King of Denmark	5c	10c	35c	55c	2.00	18.00
Princess Juliana	5c	10c	35c	55c	2.00	18.00
Victoria	5c	10c	35c	55c	2.00	18.00

SPINACH

CULTURE. Sow just as soon as the ground will permit working in spring. Sow in rows 12 inches apart and 1 inch deep. If given some protection over winter, spinach may be sown in the fall for spring use. Spinach being of a leafy growth only, should be kept growing fast in order to be tender and palatable. The soil should be well fertilized with a complete fertilizer. After the spinach is up it should receive a side-dressing of nitrate of soda or sulphate of ammonia about once a week until fit for market.

Bloomsdale or Savoy Leaved★

This is the quickest and earliest growing spinach. The leaves are narrow, pointed and crinkled and very hardy.



Old Dominion Spinach

Long Standing Bloomsdale★

Long Standing Bloomsdale has been developed along new and scientific lines of breeding. This strain of Bloomsdale is one of the outstanding varieties for crinkly leaf and long standing qualities.

Virginia Long Standing★

Blight-resistant, with dark green crumpled leaves.

Round Thick Leaf

A popular variety for spring and fall planting. Plants have large, long leaves, spreading out on the ground. Ends of leaves are pointed rather than round.

Long Standing★

The leaves are smooth and very dark green. Grows quickly and remains tender a long time. One of the best for the market and home garden.

Old Dominion★ (Blight Resistant)

A new blight resistant strain well adapted for any purpose for which Bloomsdale is seeded. Leaves are crumpled, dark green.

King of Denmark★

One of the earliest of the spinach varieties; noted for its ability to withstand very hot weather. Produces longer than most any other.

New Zealand

Entirely different from the true spinach in type in that it thrives during hot weather in any soil. The tender shoots are of good quality and may be cut throughout the summer. Plant in rows about 3 feet apart.

Princess Juliana★

Of delicious flavor and quality. Leaves are large, crumpled and a rich dark green. Remains in good condition a long time before going to seed. A fine market variety.

Victoria★

A great favorite with the market gardener on account of slowness in shooting to seed. Grows low and compact. Leaves are shiny dark green and heavily crumpled. Suitable for spring and fall seeding.

PRICE LIST OF TURNIPS

	Pkt.	Oz.	¼ lb.	1 lb.	10 lbs.
Early White Model	5c	10c	25c	55c	\$4.50
Extra Early Purple Top Milan....	5c	10c	25c	55c	4.50
Extra Early White Milan.....	5c	10c	25c	55c	4.50
Golden Ball or Orange Jelly.....	5c	10c	25c	55c	4.50
Purple Top White Globe.....	5c	10c	25c	55c	4.50
Purple Top Strap-Leaved.....	5c	10c	25c	55c	4.50
White Globe	5c	10c	25c	55c	4.50
Snowball or Early Six Weeks....	5c	10c	25c	55c	4.50

TURNIPS

CULTURE. Turnips are the easiest to grow of any root crop. Sow in early spring for summer crop, and late in July or early August for late fall crop. One ounce will sow 200 feet in drill; thin to 4 inches apart.

Early White Model

Is very early and perfectly formed. It is round, white, has short top and a single taproot. It is solid and sweet, very desirable for home garden.

Snowball or Early Six Weeks★

Very early, round with pure white flesh. One of the best table varieties.

Extra Early Purple Top Milan★

Extremely early and of splendid quality. Bulbs of medium size, flat and white, with a bright purple top.

Extra Early White Milan★

Similar to the Purple Top Milan, except that the roots are a solid clear white.

Golden Ball or Orange Jelly

The best of the yellow fleshed turnips. The tops are small, roots medium size, round, smooth and deep yellow. The flesh is firm, crisp, and of fine quality.

Purple Top White Globe★

A general favorite with all, and more largely grown than any other turnip; will do well to sow either broadcast or in drills and will form good sized bulbs in seven or eight weeks. Of a perfect globe shape with smooth white skin; flesh pure white, firm, sweet and crisp.

Purple Top Strap-Leaved

Rather flat and of medium size. Color: purple above ground and white below, flesh white, fine grained.

White Globe

Perfectly globe shaped, skin white and smooth. Flesh is white and of very good quality.

HERBS

Most of the varieties of Herbs thrive best on sandy soil, while some are stronger and better flavored when grown on soil that is rather poor. In all cases the soil should be carefully prepared and well cultivated as the young plants are for the most part delicate and easily choked out by weeds.

Sow as early as the ground can be made ready, taking pains that the soil is fine and pressed firmly over the seed.

Anise. Used for garnishings, and flavorings. **Pkt. 5c.**

Balm. Leaves used for making Balm Tea. **Pkt. 5c.**

Basil, Sweet. Used for flavoring soups and sauces **Pkt. 5c.**

Borage. Leaves used in salads; flowers fine for bees. **Pkt. 5c.**

Caraway. Seed used for flavoring. **Pkt. 5c, oz. 15c, ¼ lb. 45c, 1 lb. \$1.25.**

Catnip or Catmint. Used for seasoning. **Pkt. 5c.**

Coriander. Seed used for beverages. **Pkt. 5c.**

Dill. Used to flavor cucumber pickles. **Pkt. 5c, oz. 10c, ¼ lb. 25c, 1 lb. 55c.**

Fennel, Sweet. Ornamental; also used for flavoring. **Pkt. 5c.**

Horhound. For seasoning and cough syrup. **Pkt. 5c.**

Lavender. Medical, also used as a perfume. **Pkt. 5c.**

Marjoram, Sweet. Leaves used for seasoning. **Pkt. 5c, oz. 40c, ¼ lb. \$1.00, 1 lb. \$3.00.**

Pennyroyal. Agreeable odor and flavor. **Pkt. 5c.**

Rosemary. For flavoring as well as medical. **Pkt. 5c.**

Saffron. Used for medicine and also in dyeing. **Pkt. 5c.**

Sage. For seasoning. **Pkt. 5c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.50.**

Summer Savory. For flavoring soups. **Pkt. 5c, oz. 25c, ¼ lb. 75c, 1 lb. \$3.00.**

Thyme. Used for a headache tea, also for flavoring. **Pkt. 5c, oz. 75c, ¼ lb. \$2.50.**

ANNUAL FLOWER SEEDS

CULTURE SUGGESTIONS FOR FLOWER SEEDS

Flower seeds should not be planted out before ground warms up. Before planting, soil should be worked up and enriched with well-rotted manure or commercial fertilizer. This is very important and will make a wonderful difference in your plants. Do not sow your seeds when ground is wet. A good rule is to cover seeds four to six times their diameter, which means that some varieties need merely to be pressed into the soil. Most seeds are planted too deeply. Press the earth firmly around the seed when planting. As plants come up, thin out to prevent crowding. Place supports around tall-growing varieties so that they will not be damaged by wind and rain.

Starting Indoors. In order to get earlier flowers and a longer blooming season, a number of annuals such as Antirrhinum or Snapdragon, Carnations, Celosia, Lobelia, Pansies, Petunias, Salpiglossis, Stocks, Verbenas and others had best be started indoors, or in cold frames.

Abronia (Sand Verbena)

A charming trailing succulent plant that delights in dry, poor soil and sunny situation. A rapid grower for baskets, window boxes or rockeries. Its Verbena-like heads of fragrant flowers of bright rose with white center bloom in summer and fall. **Umbellata.** Pkt. 5c.

Acroclinium



Acroclinium, Double Hybrids.

A pretty annual "Everlasting" growing about 15 inches high bearing lovely white or rosy pink flowers, which when cut in the bud state, can be dried and used in winter bouquets. A nice flower to grow in the mixed border. Mixed colors. Pkt. 5c.

New Large Flowered Double Hybrids. This new Acroclinium is greatly improved over the old variety. The flowers are twice the size of the ordinary strain, on 12 to 18-inch stems, borne freely over a long flowering period. Colors are rich in shades of salmon, apricot, pink, rose and cerise, with white and creamy tones to balance, most of them have a dark center. Mixed colors. Pkt. 10c.

Agathea (Blue Daisy)

An old greenhouse plant, 1 to 2 feet, with roundish ovate opposite leaves and an abundance of sky-blue, daisy-like flowers. Use for bedding in a protected place, also fine for house plant. **Coelestis.** Pkt. 5c.

Ageratum

A half hardy annual of easy culture, especially adapted for borders and bedding as it is literally covered with clusters of feathery blossoms from early summer until frost.

New Ageratum Fairy Pink. A dwarf compact plant of a delightful soft salmon rose-pink color. Begins blooming when 2 inches high, at its maximum height of 5 inches, forms a solid compact mass of blooms. (See rear cover page.) Pkt. 25c.

Blue Ball. Dwarf Compact. Deep dark blue, 9 inches high. Pkt. 5c, 1/8 oz. 20c.

Blue Cap. Dwarf Compact. Miniature. 6 inch. Pkt. 5c.

Blue Perfection. Semi-dwarf. 8 inches high. Pkt. 5c, 1/8 oz. 20c.

Little Blue Star. Flowers open light blue with purple center. 4 in. Pkt. 5c.

Mexicanum Blue. 18 in. high. Pkt. 5c.

FLOWERING PLANTS

During May and June we offer seedling flowering plants in the most popular varieties. Weather conditions determine just how early plants are ready, but the plant season usually begins the forepart of May and extends well into June. In ordering sent by parcel post include 15% for postage and packing within the third zone, with a minimum of 15c. Flowering plants are 30c a dozen. If you wish 100 or more of any one variety, please write us for quantity price. We also have Geraniums, Pansies, Cannas, Vinca Vines, Daisies in baskets and pots for the window box or garden.

Anagallis (Pimpernel)

Dwarf plants 6 to 8 inches tall, with blue or red flowers. Bloom freely all summer. Flowers close at the approach of bad weather. Very effective for edgings, rockery or in pots. Does best in a sunny location. **Grandiflora,** mixed colors. Pkt. 5c.

Alyssum, Sweet

For borders, edging and rock work, we recommend a liberal use of this dainty little flower. It will keep blooming well into November here in the Northwest, and will stand many severe freezes.

Little Gem. Of dwarf compact habit, only 4 inches high. Plants start blooming very early and flower from spring until late in the fall. One of the easiest grown and most pleasing white flowered plants for border. Pkt. 5c, 1/8 oz. 15c, 1/4 oz. 25c, 1/2 oz. 35c, 1 oz. 50c.

Carpet of Snow (Procumbens). A new variety, 2 to 3 inches high, pure white flowers that bloom so freely that the plant has a snow-like appearance all summer. Of spreading habit. Pkt. 5c, 1/8 oz. 20c, 1/4 oz. 30c, 1/2 oz. 40c, 1 oz. 60c.

Sweet Alyssum (Maritimum). Of creeping habit, 9 inches. Fragrant white flowers bloom all summer. Pkt. 5c.

Lilac Queen. A very pretty dwarf plant growing about 6 inches high, of deep lavender-lilac color. Pkt. 5c, 1/8 oz. 20c, 1/4 oz. 30c, 1/2 oz. 50c.

Minimum. A very dwarf plant, only 2 to 3 inches high, with white flowers. Pkt. 5c.

Amaranthus

Brilliant foliaged annuals used as centers of large beds or for borders of tall plants. Give plants plenty of room. Grow 3 to 5 feet high. Mixed. Pkt. 5c.

Anchusa (Cape Forget-Me-Not)

A rare annual, grows 2 feet high, blooming all summer. It resembles a large beautiful Forget-Me-Not of deep blue color. Thrives in shade. Pkt. 5c.

Arctotis (African Daisy)

A handsome new annual, forming a branching bush 2 to 3 feet high. Its flowers are large and showy, being pure white on the upper surface, the reverse of the petals being a pale lilac blue. Blooms from early summer until frost. **Grandis, Lilac.** Pkt. 5c.

Hybrids, showy daisy-like flowers, red and orange shades. Mixed colors. Pkt. 15c.



Arctotis Grandis

Antirrhinum (Snapdragon)



Antirrhinum, Rust Proof.

This wonderful group of the newest creation in Giant Snapdragons far surpasses anything yet introduced. They grow 2 to 3 feet high; much larger than the half-dwarf and with still larger flowers, closely placed on the stem. Plant or thin to 9 inches apart. For early blooms, sow indoors in March and set out in the open after all danger of frost is past. Seed in the open about May 1st for late blooming.

- Apple Blossom.** Rosy pink, white tube.
- Canary Bird.** Canary yellow.
- Cattleya.** Orchid lavender.
- Copper King.** Velvety bronze copper.
- Golden Queen.** Rich golden yellow.
- Jennie Schneider.** Beautiful salmon-pink.
- Old Gold.** Rich old gold.
- Orange King.** Golden orange.
- Purple King.** Deep glowing purple.
- Ruby.** Velvety ruby-red.
- Snowflake.** Pure white, yellow lip.
- The Rose.** Deep rose pink.

Each of above, Pkt. 10c.

All colors mixed. Pkt. 5c.

Grandiflorum Rust Proof. In some sections of the country Antirrhinums cannot be grown on account of the rust which attacks the foliage. These new rust-proof varieties now assure success. We consider this strain equally fine for border, cutting and florists' use. Crimson, white, pink, salmon-pink, or mixed. Pkt. 10c.

New Majestic, Half Dwarf. The latest development in Snapdragons. Produces flowers on massive hyacinth-like spikes 18 to 24 inches, but bushy, well rounded plants. Mixed colors. Pkt. 10c.

Asters

Wilt Resistant Asters

The Aster wilt disease is caused by a parasitic fungus. Once introduced into the soil, the fungus persists indefinitely, and attacks any Asters which may be planted there at any time thereafter. Only through the use of resistant stocks is it possible successfully to grow Asters more than one year in the same soil. Wilt-Resistant Asters are so marked or abbreviated Wilt R.

Queen of the Market. Wilt R.

About two to three weeks earlier than most other Asters; bloom profusely and are of graceful habit. The perfect flowers are borne on long stems and in great variety of colors, making them very desirable for cut flowers. 15 to 18 inches high.

Crimson, Blush Pink, Dark Blue, Light Blue, Scarlet, Flesh Pink, White or Mixed Pkt. 10c

Improved Crego Giant Comet

This fine Aster grows over 2 feet tall and is well branched; of free, sturdy growth. The fluffy graceful flowers resemble the Chrysanthemum in form and are rarely less than 3 inches across.



WILT RESISTANT

Crimson, Azure Blue, Dark Violet, Deep Rose, Orchid, Shell Pink, White or Mixed Pkt. 10c

Asters—Continued

Improved New Giant California Sunshine

This fascinating new Aster will bloom in mid-season with flowers 4 to 5 inches across, composed of a single row of loosely-placed outer petals which contrast with the unique yellow quill-like center disc. Plants, 2 and 3 feet high. Salmon-Pink, Lavender, Purple, Rose, White or finest Mixed.....Pkt. 10c

Astermum. Wilt R.

Plants 1½ to 2 feet tall, upright branching in habit, flowers large, double, well formed and a little earlier than Giant Comet. Lavender, Rose Pink, White or Mixed.....Pkt. 10c

Hearts of France. Wilt R.

The best Red Aster ever introduced. Medium size flowers open ruby-red and color deepens with age. Plants are 1½ to 2 feet tall, of branching type and very robust, Begin to bloom early and flowers retain their beauty for a longer period than most Asters...Pkt. 10c

Early Beauty. Wilt R.

Early Beauties flower from early July until frost. The plants are from 2½ to 3 feet, with long, stout stems bearing large flowers. Crimson, Purple, White, Azure Blue, Deep Rose, Pink or Mixed....Pkt. 10c



Aster Beauty

American or Vick's Late Branching

This superb strain produces plants 2 to 3 feet high, bearing on long strong stems their handsome chrysanthemum-like flowers which, under ordinary cultivation, average 4 inches across. The large, fluffy blooms are double to the center, of exquisite form and delicate color.

WILT RESISTANT

Crimson, Light Rose, Purple, Azure-Blue, Scarlet, Pink. White or Mixed...Pkt. 10c

Improved Giants of California

The flowers are much larger than the Improved Crego, measuring 5 to 6 inches in diameter and are unsurpassed as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive. Plants, 2½ to 3 feet. Mixed colors, double.....Pkt. 10c

Golden Sheaf. Wilt R.

The deepest Yellow Aster yet offered, and the only Yellow Aster that is wilt resistant. The flowers are fully double, with an attractive crest-like center, of good substance and fine depth of petal. Plants, 2 feet tall.....Pkt. 10c

Ball Deep Rose. Wilt R.

Bright deep Rose, early.....Pkt. 10c

Ball White, Late. Wilt R.

Long stems, large flowers, late branching.....Pkt. 10c

Ball White, Early. Wilt R.

Medium early, tufted center...Pkt. 10c

Ball Purple. Wilt R.

Deep bright purple, early.....Pkt. 10c

Single Chinensis. Wilt R.

Plants 2 to 2½ feet, flowers daisy-like, petals wide and closely placed. Showy plants. Dark Blue, Lilac, Scarlet, White, Mixed.....Pkt. 10c

King or Needle Type. Wilt R.

Flowers large and full, with needle-like petals. Finest mixed.....Pkt. 10c

Early Royal. Wilt R.

Plants branching, 1½ to 2 feet, blooming directly following the Queen of the Market. Azure Blue, Deep Rose, Lavender Pink, Deep Purple, White, Shell Pink or Mixed.....Pkt. 10c

Lilliput Flowered Aster

Plants, 14 to 16 inches, producing abundant small flowers, fine for cutting. Blue, Crimson, Fiery Scarlet, Rose, White or finest Mixed...Pkt. 10c

Imbricated Pompon Aster

Plants upright, 14 to 16 inches, small round pompon flowers, outside row short guard petals, very early. Fiery Scarlet, Light Blue, Rose, White or finest Mixed.....Pkt. 10c

Bachelor's Button (See Centaurea Cyanus) Balsam (Lady Slipper)

Showy and easily grown tender annuals, succeeding best in sunny locations where there is rich loam. We offer the finest type of Balsam; very large, extra double flowers in several colors and shining green foliage. Bloom from July to October. 18 inches high. Mixed colors. Pkt. 5c.

Bartonia Aurea (Blazing Star)

Very showy hardy annuals producing golden yellow flowers during the summer above its gray and downy thistle-like foliage which is exceedingly brilliant in the sunshine. Blooms measure 2½ inches across. Sow where it is to remain as it does not bear transplanting. Prefers moist situation. Fine for border. 12 to 18 inches high. Pkt. 5c.

Beans, Scarlet Runner

The well known rapid growing annual climber, producing bright red flowers from July to September. The foliage being dense, makes it splendid for porches or wherever shade is desired. Following the flowers, it bears long pods of fine flavored but somewhat stringy green beans for eating. Vines grow about 10 feet. Pkt. 5c; ¼ lb. 15c; 1 lb. 50c.

Brachycome (Swan River Daisy)



Brachycome Swan River Daisy

A dwarf, free-flowering plant which makes a very attractive border. Blooms in great profusion for several weeks in summer. The daisy-like flowers are blue and white, plants about 9 to 12 inches tall. Mixed colors. Pkt. 5c.

Browallia Elata

Pretty, free-flowering, half hardy annual suitable for summer bedding. The white or blue flowers during summer and autumn are fine for cutting. Lift and cut back in the fall for house plant. 12 to 15 inches high. Mixed. Pkt. 5c.

Cacalia (Tassel Flower)

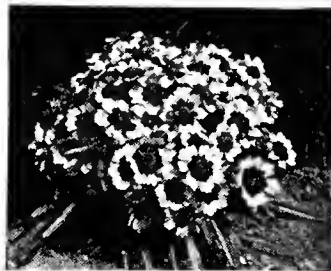
An attractive bedding plant about 18 inches tall bearing tassel-like orange-colored flowers on long, wiry stems. A good cut flower. Blooms from June to frost.

Coccinea. Pkt. 5c.



Cacalia.

Calliopsis



Calliopsis Dwarf

Showy and beautiful free-flowering annuals, blooming all summer. Excellent for cutting and massing. You will prolong the blooming season by keeping old flowers cut off. Sow where they are to remain and thin to 8 to 12 inches apart. Of easy culture. Tail mixed. 24 to 30 inches. Pkt. 5c. Dwarf mixed. 6 to 10 inches. Pkt. 5c.

Calendula

Free flowering plants of easy culture, succeeding everywhere and flowering continuously. The flowers are double, showy, of large size and pleasing colors. Height, 15 to 18 inches.

Mixed colors. Pkt. 5c; ¼ oz. 15c; ½ oz. 20c.

Balls Gold. Dark golden yellow flowers of erect habit, long stems. Pkt. 5c.

Balls Orange. Immense double flowers of a brilliant glistening orange, borne on long stems. Pkt. 5c.

Apricot Queen. (New.) Soft Apricot, Shaded Orange, dark eye. Pkt. 5c.

Balls Masterpiece. Long stemmed, deep orange, brown center. Pkt. 5c.

Balls Supreme. Orange, dark center. Pkt. 5c.

Bodger's Pastel Bedding Mixture. A combination of the dwarfed growing types. Many new shades of apricot, cream and white are included, as well as the better known orange and lemon. Lovely for border. Pkt. 5c.

Orange Shaggy.

Winner of a Gold Medal in the 1935 All America Selections. Deep orange in color, this new lacinated petaled type has an exceedingly graceful and informal appearance, excellent for both garden and cutting. Pkt. 5c.



Calendula. Chrysantha.

Campfire, Improved. One of the best early forcing varieties. Flowers are dark orange, high lighted with a scarlet sheen. Pkt. 5c.

Jewel. This new Jewel is one of the finest introduced in the past few years. The flowers are a deep orange and rounded. Plants are semi-dwarf and free flowering. Fine for bedding and cut flower use. Pkt. 5c.

Chrysantha. Is distinct in type, outstanding among all varieties known up to the present time. The large double flowers are an exquisite shade of clear yellow. Ideal for cutting. Pkt. 5c.

Orange Sunshine. (New.) Similar to Chrysantha excepting color which is a clear light orange. The double flowers are fine for cutting. Pkt. 10c.

Golden Radio. (New.) Improved golden yellow, quilled petals. Pkt. 5c.

Radio. Deep orange, quilled petals. Pkt. 5c.

Canary Bird Vine

A quick climbing tender annual of the nasturtium family. Blossoms have curiously winged light yellow petals. Does well in the shade. Grows 10 to 15 feet in a season. Pkt. 5c.

Canterbury Bells (Annual)

After many years of experimenting, an Annual Canterbury Bell has been developed that will bloom from seed in less than six months. The plant grows 2 to 2½ feet tall, each plant having from 6 to 8 spikes of bloom. We offer mixed packets only, of the following colors: Pink, rose, dark blue, light blue and white. Mixed colors. Pkt. 10c.

Candytuft

Showy branching plants for mass effect in beds. Also used for edging or to fill in empty spaces in the garden. Desirable for cut flowers. Blooms 8 weeks from sowing and until frost. Plants grow from 12 to 18 inches high and succeed in any light airy place. Do not plant closer than 6 inches apart, but 8 inches is better.

Hyacinth Flowered. Pkt. 5c.

Empress White. Pkt. 5c.

Crimson. Pkt. 5c.

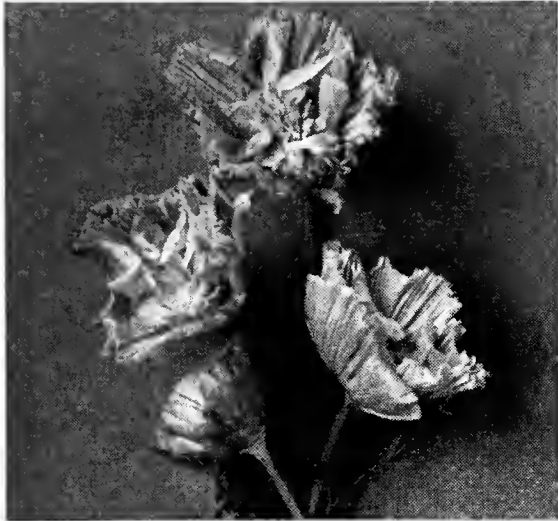
Rose Cardinal. Pkt. 5c.

Lavender. Pkt. 5c.

All colors, mixed. Pkt. 5c; 1/4 oz. 15c; 1/2 oz. 20c; 1 oz. 35c.

Little Prince. Immense spikes of snow-white flowers borne in great profusion on dwarf sturdy plants, only 6 inches high. Fine for borders. Pkt. 5c.

Miniature Gem. A dainty, hyacinth flowered candytuft, 3 to 4 inches high, producing pure white flowers. A gem for the rock garden. Pkt. 10c.



Double California Poppy

California Poppy (Eschscholtzia)

This is the state flower of California. The beautiful and brilliant poppy-like flowers produced on a low-growing and finely-cut silver foliage will bloom freely from spring until frost. Seed must be sown where they are to remain. Plants are about 12 inches tall.

Hybrida Grandiflora Mixed. Pkt. 5c.

Salmon Beauty. Pkt. 5c.

Aurantiaca. Orange, spreading type. Pkt. 5c; 1/4 oz. 15c; 1/2 oz. 25c.

Double Golden Glory. Golden Glory with its glorious profusion of golden yellow flowers deepened at the center with orange, is showiest of all California Poppies. Pkt. 10c.

Golden West. Yellow orange center. Pkt. 5c.

Lovely. Carmine rose, suffused salmon. Dwarf. Pkt. 5c.

Ramona Hybrids. Flowers are beautifully frilled and incurved. Finest mixed. Pkt. 10c.

Canna

Cannas can be grown from seed if planted early. Seed germinates irregularly in two to four weeks. 2 1/2 to 4 feet. **Mixture from newest varieties.** Pkt. 5c.

Cardinal Climber

This is a very attractive, rapid growing climber attaining a height of 25 feet, with deep cardinal-red flowers and fern-like foliage. Flowers are about one inch in diameter and are borne in clusters five to seven blooms each, from mid-summer till frost. Does best in a sunny situation and rich soil. Pkt. 5c.

Carnation

Marguerite. These carnations bloom in about five months after sowing. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, and variegated. About one-half the blossoms are extremely

double, while balance are partly double and single. Most beautiful for cut flowers and very fragrant. Seeds should be sown indoors in February and transplanted to the open when all danger of frost is past. Height, 18 to 20 inches. All colors mixed. Pkt. 10c.

Perpetual Engleman's Gold Medal. This select strain is seed from plants, the flowers which won the Sweepstake prize at the Chelsea Show in 1925. They throw better than 80% double flowers. At approach of frost, plants may be brought in for winter blooming. 18 inches. Finest mixed. Pkt. 25c.

Castor Oil Bean (Ricinus)

Ornamental plants of stately growth and picturesque foliage, with brilliant colored blossoms, producing a tropical effect. It thrives in rich well drained sandy or clay loam, but is not suited for stiff clay or very sandy soil. Fine for massing in lawns or as a flower bed center.

Borboniensis Arboreus. Very large and beautiful. The foliage is light green, height 12 to 15 ft. Pkt. 5c.

Red Spire. The shapely bushy plants attain a height of about 6 feet, with large palmate leaves of a bronzy green with prominent red ribs and veins. The numerous large seed spikes are a brilliant rosy crimson. Pkt. 5c.

Sanguineus. Blood red stems with green foliage. Growing to a height of 5 to 6 ft. Pkt. 5c.

Zanzibariensis. The ornamental leaves of a variety of colors beautifully lobed, are 2 1/2 to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. Height 10 to 12 ft. Pkt. 5c.

All Varieties Mixed. Height 5 to 12 ft. Pkt. 5c; 1 oz. 20c; 1/4 lb. 65c.

Celosia Childsii (Chinese Woolflower)

Plants grow 2 to 3 feet high; the bloom starting early with a central globular head which reaches an immense size. Many branches are thrown out, each bearing a wooly-like ball of scarlet. These blooms of scarlet balls will continue to multiply and enlarge until killed by frost. Pkt. 5c.

Celosia Chrysantheflora (Chrysanthemum Flowered Celosia)

A new tall growing variety of Celosia, bearing an immense rounded head very similar to a chrysanthemum, in many colors. Height, 18 to 24 inches. Pkt. 5c.

Celosia Cristata (Cockscomb)

Freely flowering annuals of easy culture, producing large comb-like heads. Does better in light soil that is not too rich. Tall, mixed, 24 to 30 in. high. Pkt. 5c. Dwarf, mixed, 8 to 12 in. high. Pkt. 5c.

Celosia Plumosa (Feathered Cockscomb)

These are extra fine in groups, similar to the Cristata in habit of growth. Blossoms are slender, of a feathery appearance. Height, 18 to 24 inches. Mixed. Pkt. 5c.

Lilliput Celosia (Ostrich Plume)

Form compact plants with numerous feathery spikes which resemble ostrich plumes. Very showy plants. Height 12 inches.

Heatherdell Golden Feather. Yellow. Pkt. 10c.

Heatherdell Fiery Feather. Red. Pkt. 10c.

ROCK GARDENS, by F. F. Rockwell. Brief, clear descriptions and numerous drawings show just how you can build a rock garden yourself at small cost. The book tells what locations are best, how to construct, and what to plant. 31 illus., 86 pages, postpaid \$1.35.

Flowering Plants

During the months of May and early June we offer daily many thousands of annual seedling flower plants.

Centaurea Cyanus

(Double Bachelor's Button or Cornflower)



Centaurea Cyanus

Produces a mass of very attractive flowers in many colors. It is a very hardy annual and reseeds itself from year to year. Make sowings at intervals of three weeks apart beginning in early May. 18 to 24 inches high.

Lavender, ruby, maroon, rose, blue, white or mixed. Pkt. 5c.

Blue or mixed, 1/4 oz. 15c; 1/2 oz. 25c; 1 oz. 35c.

Centaurea Cyanus Dwarf Jubilee Gem. Received 1937 All-America Award of Merit. Plants are of neat, dwarf, compact growth, about 1 foot tall, and literally covered with vivid blue, double blooms of unusual purity. Fine for rockery, border, edging, garden and as a pot plant. Does best in semi-shade. (See rear cover page.) Pkt. 25c.

Climbing Vines Special Mixture

This mixture consists of Morning Glory, Hyacinth Bean, Wild Cucumber, Cypress Vine, Kudzu Vine, Climbing Nasturtiums, etc. Pkt. 5c.

Centurea Imperialis (Sweet Sultan)

This is without a doubt the most beautiful of all Centaureas. The beautiful, sweet scented, artistic-shaped flowers are borne on long, strong stems, and when cut will stand for days in good condition. The plant itself is much stronger than any other Sweet Sultan. It is of easy culture and one of the best annuals for cut flowers. Blooms all summer. Height, 15 to 24 inches. All colors, mixed.....Pkt. 5c

Chorizanth Palmeri (Turkish Rugging)

A new subject for the border or rock garden. This easily grown annual forms a dense mat of statice-like flowers of a delicate pink which blends beautifully with the dull green foliage. In early fall the plant changes to a charming shade of autumn brown. 8 inches high, with a spread of 12 to 18 inches. Pkt. 10c.

Chrysanthemum



Chrysanthemum, Annual Single

Annual varieties. These are showy and effective garden favorites. Extensively grown for cut flowers. The foliage is ornamental and finely cut. The single varieties grow 12 to 24 inches high, and produce on long stems large flowers resembling the daisy, but of many bright colorings in distinct bands or rings. Flowers June until frost.

Finest single mixed.....Pkt. 5c

Finest double mixed.....Pkt. 5c

Cleome (Spider Plant)

Showy and interesting because of the long purple spidery stamens and showy rose-colored petals. Does well in sandy soils and sunny situations and can be used like castor oil plants to fill up gaps in the border or among shrubs. The airiness of the Cleome lends a touch to the garden which nothing else gives. Blooms until late. 3 to 5 ft. **Pungens, gigantea.** Pkt. 5c.

Clarkia Elegans (Double)

Bright and attractive annuals of easy culture. The long graceful sprays are valuable for table decoration. They thrive in sun or shade, growing 2 to 2½ feet high, with masses of double flowers and buds which will all open in water when cut. Blooms July and August. Bright carmine, fiery carmine, deep rose, orange scarlet, orange, shading to pink, purple, salmon pink or mixed colors. Pkt. 5c.



Clarkia Elegans

Cobaea Scandens (Cathedral Bells)

One of the handsomest and most rapid growing of the annual climbers. Climbs twenty to thirty feet in a season. The flowers are bell-shaped, white or blue color. Very prolific and perfectly hardy. The vine is always clean and free from insects. Should be started indoors. Blue, white or mixed colors. Pkt. 10c.

Coix Lachryma (Job's Tears)

An ornamental grass with broad leaves and shiny, pearly-like beads. Height from 30 to 40 inches. Plant early in the spring, four or five seeds in a hill, one-half inch deep, at a distance of 12 or 15 inches apart. Pkt. 5c.

Coleus

Hybridus Choice Mixed. Plants with richly colored foliage. 6 to 24 inches. Pkt. 10c.

Collomia

Hardy annual plant about 9 inches high of compact growth, producing large heads of brilliant orange-red starry flowers. **Coccinea.** Pkt. 5c.

Convolvulus (Rock Garden Annual)

Very fine plant for the rockery or hanging baskets. Grows 6 inches high, flowers blue with white throat. Blooms all summer. **Mauritanicus.** Pkt. 10c.

Cosmidium (Golden Yellow)

Plants grow two feet tall and produce a succession of blooms all summer. Flowers are golden yellow with a broad circle of rich orange around the disc. Pkt. 5c.

Cynoglossum (Chinese Forget-me-not)

An annual of easiest culture forming strong plants about 18 inches high, producing sprays of flowers delicately scented through the summer. **Amabile.** Blue, pink or mixed. Pkt. 5c.

Cut-Flower Mixture

This is a special mixture of hardy annuals in a good variety of color, that will produce a continuous succession of beautiful cut flowers from early summer until late in the fall. Pkt. 5c.

Cosmos

The Cosmos is one of the most attractive of the autumn flowering annuals. Its graceful flowers borne on long stems, rising above the feathery foliage, are very desirable for cut flowers, lasting for a week or more in water. It is a very prolific bloomer and if the plants are given enough space to develop well, will branch freely, every shoot being covered with a mass of lovely flowers. Cosmos is very effective for inter-planting with early blooming perennials.

Gould's Extra Early Cosmos is the earliest of its kind, growing to a height of about 4 feet and if seeded in the open as soon as the soil is in condition, or transplanted from plants after all danger of frost, Cosmos will bloom from July until frost.

White, Pink, Crimson or mixed. Pkt. 5c
Mixed, ¼ oz. 15c, ½ oz. 25c, 1 oz. 35c.
Sensation. The All-American Council rank this new, very early giant Cosmos second choice in the 1936 winners. Flowers are pink and white, 4 to 6 inches across. For best show, leave plants 3 to 4 feet apart and disbud for exceptional flowers on long cutting stems. Plants 3 to 4 ft. tall. Rose, pink, white or mixed. Pkt. 10c.



Cosmos, Sensation

All-America 1936 Second Choice Klondyke Hybrid. Late flowering orange color or golden yellow. Produces large yellow blooms on long stems. Should be started indoors to insure blooming before frost. Height about 18 inches. Pkt. 10c.

Early Klondyke Orange Flare. Grand Champion Gold Medal 1935 All-American Selections. Granted the highest honor that can be bestowed on a new flower variety in the United States, Orange Flare has proven itself worthy of this honor. The long stemmed flowers of bright vivid orange are freely borne on 2 to 3-foot, well shaped plants which have sparse growth of light green foliage. If plants are started indoors it will flower in sixty to seventy days after setting out. Pkt. 10c.

Cosmos, Extra Early Double Crested

The double flowering Cosmos has caused many exclamations of admiration from those who have seen them for the first time. This strain will bloom about seventy-five per cent in doubles and the balance will revert back to the single type.

They grow to a height of about three feet, forming a perfect bush massed with blooms, bearing beautiful flowers on long stems. They bloom in seventy days from seed when sown in the garden, and will continue until frost. Crimson, pink, white or mixed. Pkt. 10c.

Cuphea Firefly

A new, dwarf, compact plant, about 10 inches high recommending itself for rockery, window boxes, flower pots, border or edging. The delicately formed flowers of fiery, cerise red color are freely produced, from mid-summer on. A tender annual. Start indoors for early blooms. (See rear cover page.) Pkt. 25c.

Cypress Vine

One of the most popular annual climbers. It has a delicate fern-like foliage and produces a mass of beautiful star shaped flowers. Grows from 10 to 15 feet a season. Mixed white and scarlet. Pkt. 5c.

Dahlia Seed

Growing Dahlias from seed is very interesting and wonderful blooms are obtained the first season if seeds are started indoors and transplanted out about May 15th to 20th. Some of the seeds may come up in a few days, while others may not for months. As seedlings make about two leaves, transplant into a three-inch pot or small container until danger of frost is over when they can be set out in the open. Height, 18 to 36 inches.

Single mixedPkt. 10c
Double mixedPkt. 10c
Cactus Flowered, finest mixed. Pkt. 10c
Unwins Dwarf Giant Flowered. Pkt. 10c



Single Dianthus

Dianthus or Pinks

One of the most popular and magnificent flowers in cultivation producing a great variety of brilliant colors in a profusion of bloom. The double varieties are nearly as nice as Carnations for cutting. The annual varieties may be sown in the open when danger from frost is past and will bloom from early summer until frost. 12 to 15 inches high.

Chinensis (China Pinks). Large, double flowers in a variety of colors. Pkt. 5c
Double Diadem Pinks. Finest mixed colors. Pkt. 5c.

Plumarius (Grass Pink). Double, semi-hardy, free flowering. Finest mixed. Pkt. 5c.

Heddewigi (Japan Pinks). Large single flowers. Mixed colors. Pkt. 5c.

Heddewigi Laciniatus Splendens. One of the newest additions, single flowers over two inches across. A brilliant shade of crimson with large glistening white eye. Plants, 6 to 8 inches tall. Pkt. 10c.

Double Annuals. Mixed colors. Pkt. 5c.
Single Annuals. Mixed colors. Pkt. 5c.

Hardy Garden Pinks. Will come up year after year if winters are not too severe. Mixed colors. Pkt. 10c.

Dianthus, Rock Garden Pinks

Suitable for rockery or any other hot, dry spot. Are of easy culture and will thrive in any well drained sunny location.

Caesius (Cheddar Pink). Very compact in growth, rose colored fragrant flowers in May. Varies from 4 to 10 inches in height. Pkt. 5c.

Deltoides (Maiden Pink). A beautiful little plant, bearing a profusion of small crimson flowers during June and July. 6 inches high. Pkt. 5c.

Scoticus (Plumarius). An old garden favorite, pink flowers in June, very fragrant, 6 to 8 inches high. Pkt. 5c.

Cyclops. Large single flowers, pink and rose shades, 15 inches. Pkt. 5c.

Didiscus Coeruleus (Blue Lace Flower)

A very attractive light blue or lavender flower produced on long stems. Very fine for cut flowers, and a continuous bloomer. A lovely plant for the garden. 24 to 30 in. high. Pkt. 5c.

Dimorphotheca (African Daisy)

A rare and extremely showy annual Daisy which blooms freely under ordinary climatic conditions. The plants grow about 15 inches high producing an abundance of daisy-like flowers, the greater part of the summer and fall. Seeds may be sown and treated like asters.

Aurantiaea (Orange). Blossoms a unique rich orange gold. Pkt. 5c.

Aurantiaea Mixed. They vary in color from white to red, and various tints of yellow, orange and salmon. Pkt. 5c.

Salmon Beauty. Soft salmon pink. Pkt. 5c.

Ringens. New form of Dimorphotheca. Flowers are large, pure white on the inside with a very conspicuous blue ring around the center or eye of the flower, which adds greatly to its beauty. Pkt. 5c.

Ecklonis. Pure white, deep blue disc, reverse side lavender. Pkt. 10c.



Dimorphotheca

Dolichos (Hyacinth Bean)

A rapid growing and free blooming annual climber. It is very ornamental and useful for covering trellises, arbors and porches. Makes a very beautiful combination when interplanted with scarlet runner beans, giving a variety of color. Sow in the open after danger of frost or sow early indoors and transplant outside later. Grows about 10 feet a season. Purple, White or Mixed. Pkt. 5c.

Echinocystis—See Wild Cucumber Vine

Eschscholtzia—See California Poppy

Everlastings

A get acquainted collection of selected everlasting flowers. 1 to 4 feet tall. Mixed. Pkt. 5c.

Felicia

Charming Daisy-like sky-blue flowers 3/4 of an inch across with a golden yellow disc. Only 6 inches high. **Bergieriana (Kingfisher Daisy).** Pkt. 10c.

Four O'Clocks (Marvel of Peru)

A popular old garden favorite, growing to a height of about 2 feet. Forms small tree-like bushes about 1 1/2 feet through, which are covered with Morning Glory-like flowers of white, yellow, pink, orange and red, from July to October. Flowers open about 4 o'clock in the afternoon, remaining open until about noon of the next day. Make an attractive hedge plant. Colors: Red, Rose, White, Yellow or Mixed. Pkt. 5c; 1/2 oz. 15c; 1 oz. 25c. Dwarf mixed, 1 ft. Pkt. 5c. Tall, Striped mixed. Pkt. 5c.



Single Gaillardia

Gaillardia (Blanket Flower)

Very beautiful plants and remarkable for the profusion, size, and brilliancy of its flowers, blooming from early summer until frost, and often as late as November, here in the Northwest. Fine for cut flowers. 12 to 18 inches high. Single or double mixed. Pkt. 5c.

Gaura

A graceful plant, 3 feet high, with strong, leafy stems, bearing numerous spikes of white flowers flushed with pink, from July until frost. Easily grown from seed. Prefer light soils, sunny situation. **Lindheimeri.** Pkt. 5c.

Gazania

A very showy half hardy perennial that should be sown early. Plants are low growing, with long stemmed daisy-like flowers in brilliant shades of orange, yellow, cream and white. Like sunny locations. 10 inches. **Splendens Hybrida Grandiflora.** Mixed. Pkt. 10c.

Gilia

These delightful flowers are rapid growers and fine for cut flowers.

Capitata (Queen Anne's Thimble). Charming and attractive bushy plants of erect habit and fine feathery foliage, blooming all summer. May be dried and used as an everlasting. Lavender. 1 1/2 to 2 1/2 feet tall. Pkt. 5c.

Coronopifolia Hybrids. Pastel shades and scarlet, 5 to 6 feet. Mixed. Pkt. 10c.

Liniflora White Swan. 1 ft. Pkt. 10c.

Liniflora Bunch of Lilae. 1 ft. Pkt. 10c.

Mierantha Fairy Stars. Tiny daisy-like flowers in rose, pink, orange, yellow, cerise and cream. Use for rocky or bedding. Plants, 6 to 8 inches high. Mixed colors. Pkt. 10c.

Globe Amaranth (Gomphrena)

An attractive Everlasting that produces an abundance of clover-like blossoms in many attractive colors. Flowers can be dried and used for winter bouquets. 15 to 18 inches high. Pkt. 5c.

Godetia

An attractive annual which is deserving of more general cultivation. The plants do best in poor soil and partly shaded. The flowers are of satiny texture in many colors blooms resembling single Hollyhocks, flowering from June to October.

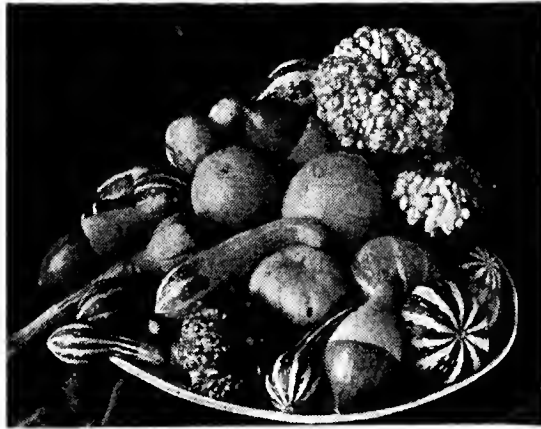
Tall, 18 to 24 in. Mixed colors. Pkt. 5c

Dwarf, 10 in. Mixed colors. Pkt. 5c

Sybil Sherwood. A new, gorgeous salmon pink, softened by an edging of white. The most beautiful Godetia yet introduced. 20 inches high. Pkt. 10c.

Meteor. 10 in. Crimson, scarlet. Pkt. 5c.

Sweetheart. 12 inches tall. Bright cream pink. Pkt. 5c.



Ornamental Gourds

Gourds (Ornamental)

Gourds grow luxuriantly and are very useful for covering arbors, fences and stone walls. The fruits they bear are very ornamental and keep well. They come in many shapes and forms. Sow the seed in hills 3 feet apart and allow 3 plants to grow in each hill.

Large mixed. Pkt. 5c.

Small mixed. Pkt. 5c.

Large and small, mixed. Pkt. 5c.

Warted, all shapes. Pkt. 5c.

Turks Turban. Pkt. 5c.

Calabash, Penguin or Pipe Gourd. Pkt. 5c.

Gypsophila (Bridal Veil or Baby's Breath)

Flowers a few weeks after sowing. Its graceful panicles of dainty blossoms and feathery foliage are unequalled for making up bouquets. Sow at intervals during the summer for continuous blooming. 18 to 24 inches high. White. Pkt. 5c; 1/2 oz. 15c; 1 oz. 20c. Pink. Pkt. 5c. Carmine. Pkt. 5c. Mixed. Pkt. 5c; 1/2 oz. 15c; 1 oz. 20c.

Helichrysum (Straw Flower)

Pretty Everlasting flowers in beautiful colors, many soft and artistic shades. Splendid for winter bouquets. To preserve them cut the flowers before they are fully expanded and hang heads down in a dry place. Grow 15 to 24 inches high. Mixed colors. Pkt. 5c.

Helianthus (Sunflower)

Hardy annuals of sturdy growth, remarkable for the size and brilliancy of the flowers which are very useful for cut flowers. Effective in forming background of large beds or borders and for distant effect.

Extra Dwarf Chrysanthemum Flowered. 3 feet. Double golden yellow flowers. Pkt. 5c.

Dwarf Maroon Prince. 4 feet. Single, best red. Pkt. 5c.

Miniature. 5 feet. Golden yellow, small flowers. Pkt. 5c.

Stella. 5 feet, large flowered. Pkt. 5c.

Heliotropium (Heliotrope)

A half hardy perennial flowering during the whole season. A splendid bedding plant about 18 inches high. Its delightful perfume makes it most desirable for bouquets. Start indoors or plant seed in open in May. Makes a fine house plant for winter. Colors mostly to various shades of lavender. Pkt. 10c.

Heterophyllia (Mex. Fire Plant)

Annual Poinsettia resembling in habit and color the hothouse Poinsettia. About mid-summer the center top leaves of each branch turn orange scarlet, presenting a striking appearance. Is of branching bush-like form. 2 to 3 feet high. Pkt. 5c.

Hollyhocks (Annual)

A comparatively new class of Hollyhocks. Blooms the first year from seed, when sown in April or May. The soil should be very rich, deeply dug, and during dry weather watered liberally. Height, 4 to 5 feet. Semi-double or single, mixed. Pkt. 5c.

Humulus Japonicus (Japanese Hop)

One of the most rapid climbers grown. Seed may be sown in the open ground in spring and the plants will grow to an enormous size in a very short time. The foliage is luxuriant and is one of the best plants for covering verandas and trellises. Leaves are beautifully marked with white, yellowish green and dark green. It is very hardy and not affected by heat, drought, or insects. Height 10 to 20 feet. Pkt. 5c.

Hunnemannia

Giant Yellow Tulip Poppy or Bush Eschscholtzia. The best of the poppy family for cut flowers, remaining in a fresh condition for several days. Produces an abundance of brilliant yellow, tulip-shaped flowers from July until frost. 15 to 20 inches high. Pkt. 5c.

Sunlite. New. A semi-double poppy of bright canary yellow, on a bush of light gray green. Plants 2 feet. Pkt. 10c.

Ice Plant (Mesembryanthemum)

Dwarf trailing plants, prized for its singular icy-like foliage. The white and pink flowers and leaves appear to glisten with dew or crystal beads. Likes dry, sunny situation. About 6 inches tall. **Crystallinum.** Pkt. 5c.

Kaulfussia

An excellent annual, 6 to 12 inches high, bearing intense blue daisy-like flowers in mid-summer. Does best in sunny location.

Amelloides, deep blue. Pkt. 5c.

Try Vigoro in your flower garden. You will be amazed at the vitality your plants will show and the most wonderful blooms you will get.

Ipomoea (Morning Glory)

Climbers of rapid growth, with beautiful and varied flowers; for covering walls, trellises, arbors or stumps of trees they are invaluable. Grow about 20 feet.

When growing Ipomoeas especially Heavenly Blue, plant in a dry sandy location and never apply fertilizer. Do not sow outdoors until ground is thoroughly warmed up.

Heavenly Blue Improved. Similar to the old Heavenly Blue, but easier to grow and vines do not make such rank growth. Flowers much earlier and

Imp. Heavenly Blue Ipomoea

remain open until late in the afternoon. Color is a deep intense blue, shading lighter toward the center. Pkt. 10c; ¼ oz. 20c; ¼ oz. 35c.

Double Rose Marie. We are offering this new, early free flowering double form of Ipomoea. Flowers are a beautiful shade of deep rose of double and semi-double form. A novelty. Pkt. 10c.

Clark's Earliest Heavenly Blue Morning Glory. Flowers sky blue, shading golden yellow in throat. Bloom early. The sparse foliage is heavily covered with lovely flowers. Pkt. 5c; ¼ oz. 20c; ¼ oz. 45c.

Imperialis Japanese Morning Glory. The flowers are of gigantic size, and the colorings range from snow-white to black purple with all the possible intermediate shades. Wherever climbers can be grown, Imperialis Japanese should have a prominent place. Pkt. 5c; ½ oz. 15c; 1 oz. 25c.

Noctiflora (Moonflower). Covered with large white flowers every evening and cloudy days. Seed should be started in March or April indoors. Pkt. 5c.

Tall Mixed Morning Glory. One of the most free flowering and rapid growing climbers, thriving in almost any situation. The flowers are brilliant and beautiful. Pkt. 5c; ½ oz. 10c; 1 oz. 15c.

Rochester. Throat rosy lavender, shading to azure blue edged white. Pkt. 5c.

Brazilian. Rich rose. Pkt. 5c.

Dwarf Mixed. Grow only 10 to 12 inches high. Pkt. 5c.

Kochia (Summer Cypress or Mex. Fire Bush)**Kochia**

An easily grown annual, which if sown thinly in spring soon forms a cypress-like hedge of lively green and of perfect symmetry, 2 to 3 feet high. The color of the entire plant changes to a deep red in autumn and if allowed to mature will reseed itself. Pkt. 5c; ½ oz. 10c; 1 oz. 15c.

Lace Flower (See Didiscus)**Lantana**

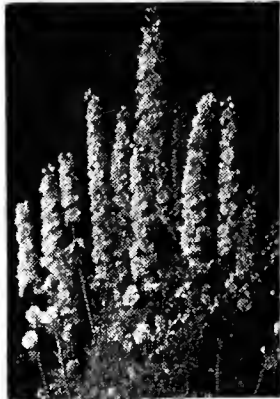
A tender perennial plant with Verbena-like flowers in shades of white, red, orange and yellow. Flowers have a very fragrant perfume. Grow in pots and set out in summer. Blooms until late in the fall, 15 to 20 inches high. Dwarf Hybrids, mixed colors. Pkt. 10c. Hybrids, mixed. Pkt. 10c.

Lavatera (Annual Mallow)

Showy plants, 2½ feet in height, producing large cup-shaped flowers from mid-summer until frost. White, rose or mixed. Pkt. 5c.

Larkspur, Tall Double Stock Flowered (Giant Imperial)

These annual Larkspur are among our showiest garden flowers. The flower spikes of various shades are among our finest for cut flowers. Spring-sown seed will produce flowers from July until frost. Larkspur are very effective planted among other garden favorites, or among shrubbery. They thrive in almost any soil but do better in a sunny situation. Height, 3 feet.

**Larkspur, Giant Imperial**

Azure Blue
Carmine Rose
Coral Pink
Dark Blue
Deep Rose on Salmon
Delicate Lavender
Rose Pink
Salmon Rose
Soft Pink Shaded
Salmon
Scarlet
White, Rich Red
Each Above or Mixed Colors.
Pkt. 5c.

Dark Blue or Mixed Colors. ½ oz. 20c; ¼ oz. 35c.

Rosamond (Double Stock Flowered). New, a pure bright rose color, holding the pure rose color until out of flower. A rare beauty. Pkt. 5c.

Linaria (Miniature Snaps)

Gold Medal Winner 1934 All America Selections. The free flowering plants are very compact, about 8 inches in height, covered with a mass of dainty Snapdragon-like flowers in all the popular pastel shades.

Fairy Bouquet. Pkt. 10c.

Linum (Crimson Flax)

One of the most effective and showy bedding plants, growing to a height of 18 to 24 inches. Flowers are a brilliant scarlet. Bloom from May until October by successive sowing. Pkt. 5c.

Lobelia (Crystal Palace Compacta)

Charming little ball shaped, bushlike plants covered with a profusion of deep blue flowers. On account of its evenness of growth it makes an excellent plant for use in edging or bedding. Also for pot culture. 4 inches high. Pkt. 10c.

Lupinus (Lupine)

These garden favorites are among the most beautiful and few annuals give such a glorious display in the garden as do Lupinus. The long and graceful spikes of pea-shaped flowers make fine cut flowers. The glossy foliage makes a most charming background for the flower spikes. Blooms during July and August. Plant in partly shaded place. Height about 2 feet.

Hartwegi. White, Blue, Rose, Mixed. Pkt. 5c.

Matricaria (Feverfew)

The plant is covered with numerous and freely branching flower stems, which are literally covered with very double flowers, resembling a button Chrysanthemum.

Eximia Golden Ball. Very attractive, compact plant, 8 inches high, covered during the summer and fall with ball-shaped, small golden-yellow, double flowers. Plant in the border or in pots. Pkt. 10c.

Eximia Dwarf Snowball. Free flowering plants, 10 inches high, producing all season double white flowers. A fine bedding or pot plant. Pkt. 10c.

Capensis (Feverfew). Small, double white flowers grow on plants 3 feet tall. Pkt. 5c.

Marigolds (Tall Varieties)

These old garden favorites are of easiest culture. The French and Dwarf grow 12 to 18 inches high and have the small velvety flowers, in yellow, brown, maroon and striped, while the African and other tall varieties grow 2 to 4 feet. Flowers are orange or yellow in its various shades.

**Crown of Gold****Marigold Gigantea****Sunset Giants.**

A prominent horticulturist has said that a flower to be desirable in the home garden must have one or more of three outstanding characteristics: very showy, or fragrant, or of exceptional size. Marigold Sunset Giants has all three. Most remarkable, instead of the usual Marigold odor these flowers have a definitely sweet fragrance. Flowers will average 5 inches, even larger than Dahlia Flowered Zinnias; plants are usually from 3½ to 4 feet high. Sunset Giants is a mixture ranging from orange, yellow and primrose. Pkt. 15c.

Guinea Gold. A distinct type of Marigold that produces nearly 100 per cent semi-double flowers. Plant grows 2 to 2½ feet high on which are produced 30 to 40 flowers, 2 to 2½ inches across, of a brilliant shade of orange, flushed with gold. This new Marigold has a much less pungent odor than the other Marigolds. Sow seed early. Pkt. 5c.

Yellow Supreme. Gold Medal Winner 1935 All America Selections. A companion to the popular Guinea Gold. Flowers are a creamy lemon yellow and somewhat larger than Guinea Gold; plants 2 to 2½ feet. Pkt. 5c.

African Beauty Strain. Special mention 1935 All America Selections. These new Beauty Marigolds produce flowers that are flat in appearance, as contrasted to the ball-like effect of other sorts. The petals are semi-quilled, rather broad, with flowers very double, plants grow 2½ feet high and flower early. **Golden Beauty,** golden yellow. Pkt. 5c. **Yellow Beauty,** clear lemon yellow. Pkt. 5c.

African (Tall). Plants grow 2½ feet high and produce an abundance of large double flowers in great profusion of glowing colors from mid-summer on. Do best in a sunny situation.

Improved Orange Ball. Pkt. 5c.

Improved Lemon Ball. Pkt. 5c.

Mixed. Pkt. 5c. **Tall Golden Emblem.** Large flowers measure 4 to 5 inches in diameter. Color is mid-shade between lemon and orange. Plants 2½ feet. Pkt. 10c.

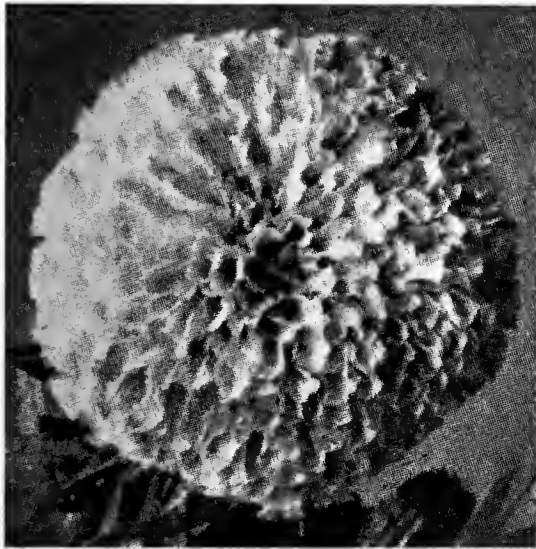
Marigold Color-ette Crown of Gold. The outstanding flower and Gold Medal All-America Winner for 1937. The first known Marigold with odorless foliage and no B. O. Fragrant flowers of orange bloom early. Plant in full bloom has the appearance of solid orange on top with green base. Plants grow 2 feet tall. Pkt. 10c.

**Marigold Sunset Giants****Marigold Guinea Gold**

Marigold Dwarf Varieties

Marigold Dwarf Royal Scot, All Double. Special mention in the 1937 All-America Flower Winners. Of dwarf French type, 12 to 15 inches tall, large and rather flat flowers, brown and gold irregularly striped. Plants of uniform height and long blooming. Pkt. 15c.

French Marigold (Dwarf). These are dwarf compact plants 10 to 15 inches high, very attractive, each being covered with hundreds of small bright flowers of various colors. Few annuals are as effective or flower over so long a period, as do French Marigolds. Double or single mixed. Pkt. 5c.



Marigold, Mexican Dwarf Orange

Mexican Dwarf Orange. Distinctly new and different in flower form. The plants are semi-dwarf in habit, growing 15 to 18 inches high, freely branched and bearing quantities of the very large, unique semi-tubular petaled flowers of bright orange. Pkt. 10c.

Dwarf French Double Harmony. (New.) A charming and distinct novelty in Marigolds. The scabiosa-like formation with tubular deep orange center petals are flanked by broad velvety dark maroon-brown outer petals. Plant about 12 inches high. Pkt. 10c.

Monarch Strain. (Dwarf French Double.) Of dwarf compact growth, very large, tight double flowers in combinations of orange, bronze, yellow and mahogany. 1 foot high. Pkt. 5c.

Legion of Honor. A single flowering Marigold, forming compact bushes 9 inches high. Flowers are a golden-yellow, with a large spot of velvety maroon at base of each petal. Blooms from June until frost. 10 ins. Pkt. 5c.

Robert Beist. An attractive dwarf Marigold, with double mahogany-red flowers. Plant grows about 12 inches high. Pkt. 5c.

Marvel of Peru—See Four O'Clocks

Matthiola Bicornis (Evening Scented Stock)

An old-fashioned little annual, with a delightful perfume which its purplish lilac flowers give out in the evening. Grows 12 inches high. Pkt. 5c.

Mignonette Reseda

A well known fragrant plant. Can also be grown indoors, in pots for winter use. Sowings made in April and again in July will keep up a succession of bloom from early summer until frost. Grows 10 to 16 inches high.

Salmon Queen. Fine spikes of bright salmon-red flowers. Fine for out-door culture. Pkt. 5c.

Sweet Scented. The old-fashioned variety with small spikes, but the most sweetly scented of all. Pkt. 5c; ½ oz. 15c; 1 oz. 25c.

Special Mixture Large Flowering Sorts. Pkt. 5c.

Mimulus

Mosehatus (Musk Plant). Trailing plant for damp shady places. Fine for rockery. Small yellow flowers. 6 inches. Pkt. 10c.

Tigrinus (Monkey Flower.) Dwarf bushy plants 1 foot high with large Gloxinia-like flowers of white, yellow, gold, pink, red and maroon. Does best in partial shade. 12 inches. Pkt. 10c.

Nasturtiums

No annual will produce such a lavish amount of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in light or sandy soil. It is best to pick the blossoms almost daily. Dwarf varieties grow to a height of 12 to 15 inches; the tall, 6 to 10 feet.

Reliable Dwarf mixed varieties. Pkt. 5c, oz. 10c, ¼ lb. 35c.

Lobb's Climbing, mixed colors. Pkt. 5c, oz. 10c, ¼ lb. 35c.

Reliable Tall mixed varieties. Pkt. 5c, oz. 10c, ¼ lb. 35c.

Double Nasturtium, Sweet Scented

Orange Gleam. Flowers are very large, uniformly double and profusely free flowering, while the color is a deep glowing golden orange, with a deeper shading at the center. Plants are semi-dwarf, bearing the flowers well above the light green foliage on long wiry stems. Pkt. 10c.



Nasturtium, Dwarf Double Golden Globe

Golden Gleam. The plant forms a vigorous, large bush which throws out short runners, averaging 18 inches. The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect stiff stems six inches in length. Pkt. 5c; oz. 15c.

Scarlet Gleam. A new Double Nasturtium even more intensely dazzling in color than the showy Golden Gleam. The flowers are a fiery orange scarlet, blooms almost 3 inches across, and very fragrant. Pkt. 5c, oz. 15c.

Salmon Gleam. Similar to Golden and Scarlet excepting color which is a delicate golden salmon. Pkt. 5c; oz. 15c.

Gleam Hybrids. Are a collection of gorgeously colored, large double flowers of dazzling beauty in colors of salmon, golden yellow, orange scarlet, cerise, cream yellow, orange crimson, and gold flushed scarlet. Pkt. 5c, oz. 15c.

Dwarf Double Golden Globe. Identical in color with the popular Golden Gleam, its habit and trueness to type also compare favorably with the excellence of Golden Gleam. Uniformly dwarf and compact, Golden Globe is the first named color variety in the new Gem type of Nasturtium. It is very free flowering, and the well formed double flowers of deep golden yellow are very sweet scented. Pkt. 5c.

Bodgers Dwarf Double Gem Mixture. Destined to be even more popular than the Gleams. Plants are truly dwarf and compact, totally without runners. The good-sized sweet scented double flowers cover the plants in an excellent color range. Makes an ideal plant for border and edging use. Pkt. 5c.

Mimosa—(Sensitive Plant)

A curious and interesting annual with pinkish white flowers. Leaves close and droop when touched or shaken. 1½ feet high. Pkt. 10c.

Nemesia

These bushy plants grow only 6 to 8 inches high but bear continuously, brilliantly colored flowers of red, orange, crimson, cream, scarlet and rose tipped with other colors. Does best in cool situation and partial shade. **Compacta.** Mixed colors. Pkt. 10c.

Nemophila (Baby Blue Eyes)

A splendid annual 6 to 12 inches high of easy culture. Flowers all summer if planted in cool, shaded locations. **Insignis Blue,** 6 in. Pkt. 5c.

Nicotiana (Tuberose Flowered Tobacco)

Delightfully sweet-scented, tubular flowers, blooming continually from July to October. Grows 2 to 3 feet high. Do well in partly shaded places. **Affinis.** Crimson. Pink, white or in mixed colors. Pkt. 5c. **Crimson King.** Dark crimson. Pkt. 5c.

Nierembergia Hippomanica

A most charming plant, 5 to 6 inches tall, with lovely lavender blue flowers, heightened by a touch of yellow in the center. Blooms 15 weeks from seeding, until heavy frost. Likes full sun. Extremely beautiful in the rockery, window box, flower pot or border. Has a spread of 8 to 10 inches. A half hardy perennial. (See rear cover.) Pkt. 35c.

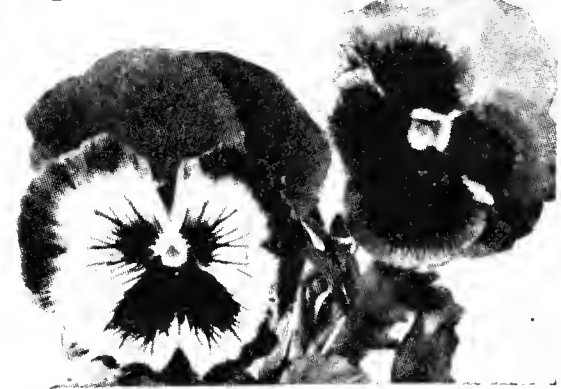
Nigella (Love-in-a-Mist)

A compact free-flowering plant of feathery foliage, with curious looking flowers and seed pods of easy culture, growing well in any garden soil. It is a hardy annual, about 15 to 20 inches high. Flowers are light blue or white. Blooms all summer. **Mixed.** Pkt. 5c.

Oenothera (Evening Primrose)

Plant 1 to 2 feet high. Produce continuously large single Poppy-like flowers of rose, yellow, white, etc. Blossoms open towards evening and last well into the next day. Likes a sunny location.

Lamarckiana. Yellow, large flowered, very showy. 1 to 2 ft. Blooms June to August. Pkt. 5c.



Pansies should be in every garden.

Pansies

Plant in a shady situation and give plenty of moisture and fertilizer. Pick faded blooms so they do not go to seed. Plants about 6 in.

PANSY CULTURE. The seed may be sown indoors in February or March; or in Spring in the open ground, in a shady, cool spot where the plant can be protected from the strong mid-day sun. Pansies should be classed more as a biennial and seed sown every year. **Engelmann's Giant.** This early flowering giant strain contains a great variety of both dark and light shades; all of the five blotched type. Pkt. 15c.

Gould's Reliable Pansy Mixture. Flowers of large size, good form and substance, and pleasing range of shades and colors. Pkt. 10c.

Gould's Fancy Bedding Pansy Mixture. A mixture of many sorts which are admirably adapted for beds or borders. They are very hardy and free-blooming. Pkt. 5c; ½ oz. 90c; ¼ oz. \$1.60.

Petunias

The Petunia is peerless among annuals for effective summer bedding or window boxes. It is of easy culture. Blossoms early and continues until heavy frost. No other flower produces a greater diversity of colors, or retains its freshness for so long a period.

Salmon Supreme Petunia. (See rear cover page.) Received highest All-America Award 1938. The flowers when first opening are of a rich coral-salmon, changing as they mature to a glistening salmon-pink. Blossoms are 2 inches across, plants about 1 foot high and a spread of about 1½ feet. Pkt. 35c.

Petunia Burgundy (Grandiflora Single Plain Edged.) (See rear cover page.) Received Special Mention 1937 A. A. S. A strong growing type with very showy flowers, 3½ inches across, of rich wine red, contrasting with white throat. Plants about 12 inches tall. Pkt. 25c.



Petunia, Ruffled Martha Washington

The color itself is an interesting combination, bluish pink at the edges, deepening to dark violet in the throat, with heavy veining. It comes exceedingly true to color and type, and is excellent for use as a bedding, border, window box or pot. Pkt. 25c.

Flaming Velvet Petunia, 1936 Gold Medal Winner. Color a rich deep, velvety crimson in the small flowering type. Outstanding for color, type and uniformity. A brilliant Petunia for bed or border. Height 15 in. Pkt. 10c.

Single Fringed Dainty Lady.

The first yellow Petunia has been granted Awards of Merit in both America and Europe. The flowers are of medium size and daintily fringed, delicate light yellow deepening to golden yellow at the throat. Plants are neat, compact, somewhat upright in habit, semi-dwarf and very free flowering.

Dainty Lady is excellent for border use, for bedding and window boxes. 12 inches high. Pkt. 50c.



Petunia Dainty Lady



Cal. Giant Petunia

Petunia Giants of California

Flowers are very large with edges fringed, petals fluted and crinkled which gives a most varying range of colors. Height 12 inches. Mixed colors. Pkt. 15c.

Balcony Petunias

A splendid large single flowering type either for window boxes, vases, hanging baskets, etc. The flowers average 2 inches across and make a very effective display all summer long. Trail about 15 inches.

Alba. White. Pkt. 15c.

Cornflower Blue. (New.) Rich blue. Pkt. 15c.

Deep Blue. Pkt. 15c.

Netted Blue Gem. Steel blue veined deep violet. Pkt. 15c.

Red. Crimson. Pkt. 15c.

Rose. Rose. Pkt. 15c.

Royal Blue. Deep velvety purple-blue. Pkt. 15c.

Star of California. Violet crimson, white star. Pkt. 15c.

Mixed Colors. Pkt. 15c.

Extra Selected Bedding Petunias

A superb strain of elegant, large flowers, noted for their brilliancy and variety of color.

De Luxe Mixture of large flowering varieties. About 18 inches. Pkt. 5c. ¼ oz. 25c, ¼ oz. 40c.

Single Fringed. Ruffled edge. 14 inches. Mixed colors. Pkt. 35c.

Double Fringed. A very fancy mixture producing a large percentage of double. 12 inches. Pkt. 50c.

White Cloud. Large flowering, plain edged, pure white, dwarf, compact. 12 inches tall. Pkt. 50c.

Royal Purple. Large flowering single fringed. About 14 inches high. Pkt. 50c.

Dwarf Giant. (Ramona strain.) Flowers beautifully ruffled and frilled. Height 10 inches. Mixed colors. Pkt. 15c.

Dwarf Bedding Petunias

Very fine types of dwarf, erect growing Petunias suitable for massing, borders or window boxes. Plants 8 to 12 inches.

Cockatoo. Dwarf plants, flowers a velvety deep violet-purple with irregular sized white spots and stars. Pkt. 10c.

Compacta. Blue. Mid. blue. Pkt. 10c.

Compacta. Celestial Rose. Deep rose, compact. Pkt. 10c.

Compacta. Crimson. Small flowers. Pkt. 10c.

Compacta. Rose of Heaven. Rose pink. Pkt. 10c, 1/16 oz. 30c, ¼ oz. 50c.

Compacta. Rosy Morn. Clear pink, white throat. Pkt. 10c, 1/16 oz. 30c, ¼ oz. 50c.

Compacta. Silver Blue. Light blue. Pkt. 10c.

Compacta. Snow Ball. White. Pkt. 10c.

Compacta. Violaeca. Deep violet. Pkt. 10c.

Compacta. Mixed colors. Pkt. 10c.

Finest Mixture. New, well balanced color range. Pkt. 15c.

Hybrida Single Small Flowering Varieties

Plants about 15 inches high.

Alba. White. Pkt. 5c.

Blue. Violet-blue. Pkt. 5c.

Genl. Dodds. Blood-red. Pkt. 5c.

Purple. With white star. Pkt. 5c.

Rose King Improved. (New.) Clear rich rose with a delicate light golden throat. Pkt. 15c.

Violaeca. Deep violet. Pkt. 5c.

Mixed Colors. Pkt. 5c.

Phlox, Annual

Drummondii. For beds and massing, nothing can surpass these beautiful annuals. They produce immense trusses of large brilliant flowers throughout the summer. Our strain has beautiful round petaled flowers, larger than the older sorts. Seed may be started indoors or sown in the open ground any time after danger of frost is past, and in a very few weeks they will be aglow with brilliant coloring and remain so until killed by frost. Plants grow 12 to 15 inches high. Crimson, Flesh, Lilac, Primrose, Rose, Rose Dark Eye, Scarlet, Violet, Yellow, White, or mixed. Pkt. 5c.

Star. Of dwarf habit with very pretty star-shaped flowers. Grows about 12 inches high. Mixed colors. Pkt. 10c.

Nana Compacta Dwarf. Fine for ribbon bedding or borders. The plants grow very symmetrical in neat little bushes, covered with flowers all summer and fall. Grows only 6 to 8 inches high. Mixed, all colors. Pkt. 10c.



Phlox Drummondii

Phlox Drummondii Gigantea Art Shades. A new strain of Phlox Drummondii (winner of Award of Merit in the All-America selections) with florets an inch and a quarter in diameter. In addition to its enormous flowers it has a most wonderful range of color in soft art shades. Plants about nine inches high. Pkt. 10c.

Phacelia (California Blue Bell)

An attractive and easily grown annual about 8 inches high, loosely branching with rich blue flowers. Blooms very early. Very effective for edgings, also a fine pot-plant. **Campanularia.** Pkt. 5c.

Poppies

Sow as early in the spring as possible, where the plants are to remain, as they will not bear transplanting. Be sure to thin out plants as they come up, to 4 to 6 inches apart. Sow at intervals to keep up a succession of bloom. As cut flowers they are short lived, but if their stems are dipped in boiling water for just one moment when cutting they will last much longer. Height, 20 to 30 inches.

Gould's Reliable Single Shirley. This is a charming strain of poppies, mostly single, but occasionally semi-double, flowers ranging from snow-white through all the delicate tints of pink, rose, carmine, crimson, blood-red and salmon. Height 30 inches. Mixed colors. Pkt. 5c, ¼ oz. 20c, ½ oz. 35c.

Gould's Reliable Double Mixture. The flowering period of Double Poppies is very much longer than that of the Single Shirleys and the plants need more space to develop to perfection. Double Poppies make splendid cut flowers. Plants 18 inches. Mixed colors. Pkt. 5c, ¼ oz. 20c, ½ oz. 35c.

Tulip Poppy (Glacium). Large tulip shaped flowers of dazzling scarlet. Grow 20 inches high. Pkt. 5c.

Hybrida Splendens. Large red flower similar to Oriental Poppy. Plants about 30 inches. Pkt. 5c.

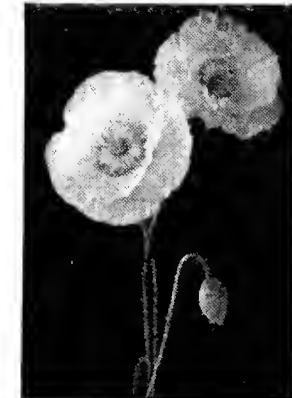
American Flag. Flowers very large double, snow-white, bordered with scarlet. Height about 2½ feet. Pkt. 5c.

Carnation Flowered Mixed. Splendid double fringed flowers. Height 2½ feet. Pkt. 5c.

Gould's Reliable Double Shirley. Flowers are double and semi-double. Have the same wide range of colors as the Single Shirley. Mixed colors. Height 1½ feet. Pkt. 5c.

Flanders. Single, the well-known poppy of Flanders Field. The vivid scarlet-red flowers are very showy when grown in masses. Height 2½ feet. Pkt. 5c.

American Legion. Beautiful large single flowers of a bright orange-scarlet color. Plants grow about 2½ feet high. Pkt. 5c.



Poppy, Single Shirley

Queen Anne's Lace Flower

An old favorite of our grandparents. Plants grow upright 2 to 2½ feet high, heavily branched, with white flowers spread out umbrella-like from each branch end. Easily grown and cut flowers last long in water. Pkt. 10c.

Portulaca (Moss Rose)

A low growing annual with thick stems and foliage; bearing brilliant colored cup shaped flowers during the entire summer. This plant is suitable for rockeries and banks and will grow and bloom profusely in a dry hot situation where other plants would fail. In sowing mix the seed with dry sand to insure an even distribution. About 6 inches high.

Single. Mixed colors. Pkt. 5c; 1/16 oz. 15c; 1/8 oz. 25c; 1/4 oz. 40c.
Double. Mixed colors. Pkt. 10c; 1/16 oz. 25c; 1/8 oz. 40c; 1/4 oz. 65c.
Grandiflora, Double, large flowers, mixed colors. Pkt. 15c.
Grandiflora, Single, large flowers, mixed colors. Pkt. 10c.



Portulaca, Moss Rose

Rhodanthe (Everlasting)

One of the finest and most beautiful of the Everlasting flowers. For winter bouquets, the dainty flowers will retain their brilliancy for years. 12 to 15 inches. Pink, white, or mixed. Pkt. 5c.

Ricinus (See Castor Oil Bean)

Rock Garden Mixture

This is a fine variety of annual flowering plants suitable for Rock Gardens. A select mixture. Pkt. 5c.

Rudbeckia (Cone Flower)

Attractive annual of compact growth. Excellent for cutting. Golden yellow flowers with brown markings, on long stems. Grows 2 to 3 feet high. Blooms June to August.

Bi-color Superba, golden yellow with brown center. Height, 2 feet. Pkt. 5c.
Kelvedon Star, deep golden yellow, deep mahogany zone, dark brownish center disc. Plants 3 feet. Pkt. 10c.

Salpiglossis (Painted Tongue)



Salpiglossis

A very beautiful hardy annual plant, 20 to 30 inches tall, flowering freely from July to early autumn.

Emperor. A large type having only one leading stem at the top from which it produces a large cluster of beautiful flowers. Mixed colors. Pkt. 5c.

Gloxiniiflora Mixed. A special selection of the Painted Tube

Tongue. Flowers large, fancifully veined in contrasting colors. Pkt. 5c.
Purple Self. A distinct new shade of rich deep velvety purple, free from all markings. Pkt. 5c.

Sanvitalia (Creeping Zinnia)

An annual of dwarf; compact growth; but spreads itself over the soil instead of growing upright. Useful for rockery, edging, beds, baskets or vase. Showy, bright yellow flowers bloom all summer. **Procumbens**. 6 ins. Pkt. 5c.

Salvia (Scarlet Sage)

A standard bedding plant 12 to 24 inches tall, that keeps the garden bright with color until late in autumn. It is especially adapted for a border in front of tall shrubs or in back of dwarf growing plants. Salvia should be started indoors and transplanted to the garden after danger of frost is past.

Splendens. Blooms from August until killed by frosts. The old favorite, producing scarlet flowers in summer and fall. Height about 2 ft. Pkt. 10c.

Clara Bedman or Bonfire. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Height 1½ feet. Pkt. 15c.
America. A free and continuous bloomer, particularly valuable for bedding and planting in rows. 16 inches. Pkt. 15c.

Harbinger, Earliest Scarlet. Is a handsome large flowering sort, freely producing until fall tall spikes of vivid scarlet flowers which are effectively displayed against the deep green foliage. Height about 16 inches. Pkt. 15c.
Zurich. Much more dwarf in growth than other salvias, and more thickly studded with fine spikes of bright scarlet flowers. Early. 12 inch. Pkt. 15c.

Scabiosa (Mourning Bride)

Commonly known as the Pincushion Plant growing to a height of 20 to 30 inches. The flower stems are long and the blossoms keep well in water. When given plenty of room and the blossoms are picked off regularly they will bloom all through the summer. No garden is complete without Scabiosa.

Large Tall Double. 2½ ft. high.
The varieties we offer are the large size and a greatly improved variety.
Azure Blue Pure White
Black Purple Reddish Black
Cherry Red Rose
Coral Pink Rosy Lilac
Fiery Scarlet Salmon Rose
Mid-blue Yellow
Any of above or Mixed Colors. Pkt. 5c.



Scabiosa

Blue Cockade. This new long stemmed and free flowering Scabiosa is outstanding. The deep azure blue flowers are almost conical in shape. Plants 2½ feet. Pkt. 5c.
Giant Flowered Hybrids, Mixed. Large ball-shaped flowers, unusual colors. About 2½ feet tall. Pkt. 5c.
Tom Thumb Mixed. Miniature plants, only 6 to 8 in. high. Pkt. 5c.
New Salmon Beauty. This new giant annual Scabiosa of pure salmon color is the result of 12 years of work. The charming Salmon Beauty has all the vigor of the popular Loveliness. (See Rear Cover Page.) Pkt. 25c.

Rosette. A lovely new color in the tall, large-flowered Scabiosa. A beautiful shade of deep rose heavily suffused with salmon. An exquisite color for the garden and for cut flower. Blooms are extra large on long, stiff stems. Pkt. 25c.

Snapdragons—See Antirrhinum

Schizanthus (Butterfly Flower)

A charming annual which yields an abundance of blooms on delicate fern-like stems from July to September. Very desirable for cut flowers and a nice house plant for winter. Height 6 to 24 inches.

Sunset Hybrids. A new strain consisting of bright red and carmine shades, delicately marked with gold or white. 20 inches tall. Mixed colors. Pkt. 10c.

Excelsior Compactus. Finest Mixed Semi-dwarf, free flowering. 6 inches. Pkt. 10c.

Dr. Badgers Giant Flowered Hybrids. A super strain, 1½ to 2 feet. Pkt. 10c.

Statice (Everlasting)

Beautiful free flowering plants similar to Baby's Breath; adapted for beds or borders. The flowers when dried, make pretty decorations for winter bouquets. 3 feet. Mixed colors. Pkt. 5c.

Stocks (Early Giant Imperial)

Improved Bismarks. One of the most highly prized of our annuals. This select strain produces a high percentage of double flowers. Suitable for pots as well as the garden. The delightful fragrance, free blooming, long lasting character make them invaluable for cut-flowers. Flower from July until October. Grow 20 to 30 inches tall.

Blood Red	Lilac or
Blush Pink	Light Blue
Chamois, Ivory	Mauve Lavender
Chamois, Rose	Old Rose
Elks Pride, Purple	Rose Pink
Fiery Blood Red	White.

Each of above or mixed colors. Pkt. 10c.

Sweet Peas—See next page.

Sweet William (Annual)

The plants are of the same type and habits as of the old perennial kinds, but this annual variety will bloom the first year from seed. The flowers are very similar to the older sorts, having a variety of colors and very fragrant. 15 to 20 inches tall. Mixed colors. Pkt. 5c.

Tagetes (Single Dwarf Marigolds)

Dwarf, compact, bushy annuals of the Marigold family, with beautiful fern-like leaves, densely covered with flowers of bright orange and golden yellow, which flower from June until frost. A fine plant for the border or rockery, also potting.

Lucida. Of upright and somewhat open growth, much more sweet scented than other Marigolds. Height 18 inches. Pkt. 5c.

Signata Pumila Gnome. The newest of the popular Tagetes family of Miniature Marigolds. Plants are only 6 in. high, covered with golden yellow flowers throughout the summer. (See rear cover page.) Pkt. 25c.



Tagetes Gnome

Signata Pumila. Bright orange, more spreading and bushier than Lucida. A lovely little plant. 10 inches. Pkt. 5c.

Signata Pumila Little Giant. A new strain, very dwarf plants, only 4 to 6 inches high and a spread of 8 to 10 inches, with an abundance of dainty single golden orange flowers. Pkt. 10c.

Thunbergia (Black Eyed Susan)

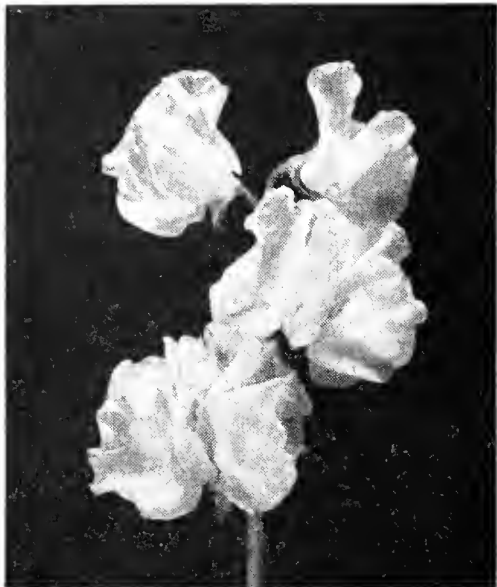
A beautiful, rapid-growing annual climber. Used extensively in hanging baskets, vases, etc., and to cover low fences. Can be used in the rockery as it will trail over the ground, forming a dense mat of foliage and trumpet shaped flowers. Colors range through all shades of yellow, orange, buff, to pure white with dark centers. Will grow 5 feet. Finest mixed. Pkt. 5c.

Sweet

Peas

Prices on Sweet Peas

All varieties: Pkt. 5c; 1 oz. 15c; 2 oz. 25c; 1/4 lb. 45c; 1 lb. \$1.75.



Sweet Peas—Fluffy Ruffles

Sweet Peas are one of the most fascinating flowers of all garden annuals. The blooms, with their long wiry stems, delicate fragrance, and great variety of fascinating shades, have a grace and individuality for table decorations that no other flower quite equals.

How to Grow Fine Sweet Peas

We can all grow fine Sweet Peas with lovely long stems if we will observe a few simple rules in their culture.

First—Good seed. Second—Rich soil, deeply dug. Third—Early sowing. Fourth—Early staking. Fifth—Frequent fertilization to insure healthy, rapid and continuous growth. Sixth—Keep soil loose and porous.

Select an open sunny spot in the richest part of the garden and then apply a thick layer of pulverized Sheep Manure 18 inches wide. Remember that Sweet Peas are deep rooting plants so that the soil must be deeply and thoroughly worked. Spade the Sheep Manure in as deep as the fork will go and turn the soil over three or four times so that the manure becomes thoroughly mixed with it, then level, and your bed is ready for planting. Sow in double rows, that is, open two drills about 8 to 10 inches apart and 4 to 5 inches deep and scatter the seed liberally, but not too thick (about one ounce to 15 running feet), then cover. The support for the plants to climb on is placed in the center of the two rows and should be in place by the time the plants are 2 inches high.

Success with Sweet Peas necessitates a rapid, healthy and vigorous growth during the cool weather of April and early May. An application of Vigoro about May 1 will help the plants to get their growth during this cooler weather.

Sweet Peas require sufficient plant food at all times, and you will find that a top dressing of Sheep Manure, Vigoro or Bone Meal applied regularly every two weeks and hoed in will help produce strong healthy vines.



Inoculate seed with Nitragin. Makes finer, more vigorous and healthier Sweet Peas. Garden size, postpaid 12c.

Blue

Blue Bird. Clear mid-blue of extremely bright color. The flowers are large and come on long, stout stems.

Commander Godsall. The color is an attractive shade of navy blue. Flowers are large, wavy and fluted.

Heavenly Blue. Delphinium blue.

Jack Cornwall. Dark violet blue.

New Wedgewood. The immense blooms are a lovely shade of azure blue. One of the finest of blues.

Cerise

Hawlmak Cerise. The blooms are glowing cerise pink on cream ground.

Fiery Cross. Bright orange cerise.

Cream

Daffodil Improved. Large rich deep cream, exquisitely frilled and wavy.

Dobbie's Cream. Deep cream.

Mastercream. Deep cream.

Crimson-Scarlet

Charity. Brilliant crimson.

Fire. Flaming scarlet. Sun-proof.

Hawlmak Scarlet. Rich clear scarlet.

King Edward. One of the best crimson Sweet Peas. Very large.

Sybil Henshaw. Rich crimson.

Lavender-Mauve

Asta Ohn. Pinkish lavender. A beauty.

Chieftain. Pure satiny mauve.

Hawlmak Lavender. A free bloomer of pure lavender, of exquisite form.

King Mauve. A very pleasing shade of deep mauve. Of immense size.

Powercourt. Fine lavender of mammoth size. A lovely variety.

Maroon

King Manoel. Deep maroon.

The Sultan. Black velvety maroon.

Orange

Celebrity. Bright orange.

Gold Crest. Orange tinted salmon.

Improved Tangerine. The finest of orange colored Sweet Peas. Deep orange color almost approaches to a tangerine orange tint.

Orange Flame. Deep orange.

Pirate Gold. Deep golden orange.

Prince of Orange. Deep orange, a wonderful color. Rich and brilliant.

Pink

Fluffy Ruffles. A remarkable large, double, light cream-pink.

Giant Attraction. The large fawn-pink, cream ground, blooms of large size.

Hebe. Large bright pink.

Hawlmak Pink. The flowers are clear rose-pink; wings almost rose-pink.

Hercules. A magnificent pure pink.

Miss California. Salmon cream-pink.

Picture. Color is a blend of cream and pink shades, having a deeper flush on the wings, exquisitely frilled.

Pinkie. Large rose-pink.

Royal Pink. Large, beautiful blooms of shrimp pink.

Ruffled Rose. Soft rich rose.

Purple

Royal Purple. Very rich and warm purple; having a slightly softer color tone; early. Flowers are large.

Salmon

Barbara. Fine soft salmon.

Hawlmak Salmon-Pink. Rich, deep cream-pink tinted with salmon and orange. A very lovely variety.

White

Burpee's Giant White. One of the most perfect white Sweet Peas produced.

Constance Hinton. Giant white.

Edna May Improved. Pure white.

King White. Noted for the glistening purity of the whiteness.

Gould's Reliable Mixture Sweet Peas. Gould's Reliable Spencer Mixture of Sweet Peas is composed of a special selection of varieties to produce a harmony of colors that is rarely offered in mixtures.

Tithonia (Mexican Sunflower)



Tithonia.

An odd plant growing 5 to 7 feet high, that throws up from the root many stout, woody stalks like the Dahlia, with large foliage. The dazzling orange-scarlet flowers resemble the single Zinnia. Is especially desirable for planting among shrubbery or in the background of wide borders. **Speciosa.** Orange - vermilion. Pkt. 5c.

Speciosa Grandiflora Fireball. Dazzling as a ball of fire poised high above other flowers, Fireball is undoubtedly the last word in brilliance of color in a fall blooming plant. Flowers are a vibrant shade of scarlet orange, the petals in dazzling contrast to the clear yellow center, 4 to 5 inches across on fine long stems. An excellent cut flower. Plants grow up to 9 feet high. Start seed indoors. Pkt. 25c.

Torenia Wishbone Flower

Bushy plants 10 inches high covered with lovely, rich colored snapdragon-like flowers of sky blue with a touch of gold on the tip. Fine for beds, potting or hanging baskets. **Fournieri.** Pkt. 10c.

Ursinia

Plants are dwarf in habit, about a foot high, with daisy-like flowers of bright orange with deep crimson center. Blooms summer and fall. Very popular in Europe. **Aurora.** Pkt. 10c.

Verbena



Verbena.

The Verbena is one of the most popular garden annuals. Verbenas are particularly fine for beds, borders, window boxes, or as an undergrowth to tall plants. The sweetly scented flowers are borne in large clusters and bloom profusely from mid-summer until late in autumn. Plants 12 inches high.

Blue, white eye.
Carmine Rose.
Crimson.
Flame Pink.
Garnet red, cream eye.
Rose, white eye.
Rose pink, white eye.

Hybrida Grandiflora.

Royal Blue, cream eye.
Salmon Pink.
Scarlet.
Scarlet, small eye.
Violet, white eye.
White.
Mixed Colors.

Each of above. Pkt. 5c.

Crimson Glow. (New) The first Verbena in a crimson shade. Flowers are pure glowing crimson, wholly without even a small light eye. Pkt. 10c.

Beauty of Oxford Hybrids. New, shades from rose pink to rose red. Pkt. 10c.

Lavender Glory. New, lavender medium creamy eye. Pkt. 10c.

Hybrida Compacta Erecta. A distinct new type of Verbena, very compact, dwarf.

Fireball. Brilliant crimson. Pkt. 10c.

Erinoides (Moss Verbena). Produces a mass of moss-like foliage above which are borne heads of purplish-blue or white blossoms. Flowers in June and continues until frost. Fine for borders or rockeries. Pkt. 5c.

Venosa. This variety is largely used for bedding purposes. Strong thrifty grower and covered with bright purplish heliotrope flowers from early summer until late fall. Grows 1 foot high. Pkt. 5c.

PLEASE NOTE

This price list cancels all prices on any previous issue of the price list, on the same items. We reserve the right to forward seed to the value of the money sent us, according as the market is higher or lower. Prices quoted include free delivery to any railway station in St. Paul. If Field or Grass Seeds or other items not marked prepaid are wanted by Parcel Post, please add postage.

**Gould's SPECIAL Field Seed
PRICE LIST**

Issued January 20, 1938

R. L. Gould & Co.

SEEDSMEN SINCE 1898

496-502 Jackson Street, St. Paul, Minn.

Prices subject to stock being unsold and subject to market change.

DISCLAIMER

R. L. Gould & Co. do not give and their agents and employees are forbidden to give any warranty, express or implied, as to the description, quality, productiveness, or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned and money paid for same will be promptly refunded.

ALFALFA

Seamless bags extra at 25c each—150 lbs. per bag
60 lbs. to the bushel

	Lbs. per acre	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
Gould's Reliable Grimm	12	70c	\$9.00	\$17.00	\$31.80	\$52.50
Minn. Variegated	12	60c	8.00	15.00	27.90	46.00

CLOVERS

Seamless bags extra at 25c each—150 lbs. per bag
60 lbs. to the bushel

	Lbs. per acre	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
MEDIUM RED						
Sterling	8	60c	\$8.00	\$15.00	\$27.90	\$46.25
MAMMOTH RED CLOVER						
Sterling	8	60c	8.00	15.00	28.50	47.00
ALSIKE OR SWEDISH CLOVER						
Sterling	8	60c	7.00	13.00	24.60	40.25
WHITE OR DUTCH CLOVER						
Reliable	8	60c	8.00	15.75	30.50	50.00
SWEET CLOVER—WHITE BLOSSOM						
Sterling	14	25c	2.25	4.00	7.75	14.75
SWEET CLOVER—YELLOW BLOSSOM						
Sterling	15	25c	2.40	4.40	8.50	15.50

TIMOTHY

Seamless bags extra at 25c each—45 lbs. to the bushel

	Lbs. per acre	1 lb.	10 lbs.	1/2 bu.	1 bu.	100 lbs.
TIMOTHY						
Sterling	10	20c	\$1.00	\$1.60	\$2.90	\$5.50
TIMOTHY AND ALSIKE MIXED						
Reliable	12	25c	\$1.65	\$3.50	\$6.50	\$12.25

MISCELLANEOUS GRASS SEEDS

Burlap bags 10c each; seamless 25c

	Lbs. per acre	1 lb.	10 lbs.	25 lbs.	100 lbs.	
Kentucky Blue Grass	20		Please Ask For Quantity Prices			
Red Top	10		Please Ask For Quantity Prices			
Meadow Fescue	25	30c	2.25	4.50	15.00	
Sheep Fescue or Chewings	20	75c	6.00	14.50	52.00	
Domestic Rye Grass	28		Please Ask For Quantity Prices			
Poa Trivialis	20	...	...	12.00	44.00
Orchard Grass	28	35c	2.25	5.00	19.00	
Bromus Inermis	28	40c	3.00	6.50	24.00	
Astoria Bent	...		Please Ask For Quantity Prices			
Seaside Bent	...		Please Ask For Quantity Prices			
Reed Canary Grass	...	50c	4.50	9.25	35.00	

SALT

Farmers' Best, 100-lb. bag	\$1.10
Buffalo, fine table, 100-lb. bag	1.25
No. 7 Rock, 100-lb. bag	1.00
White Cattle, 50-lb. block, each	.55
Epsom Salts, for stock or poultry, per lb., 10c; 5 lbs.	.30

SEED GRAIN

5 Bushels or more, 10 cents per bushel less.
Burlap bags, 10c; seamless, 25c each, extra

	Lbs. per bu.	1 lb.	1/4 bu.	1/2 bu.	1 bu.
OATS					
Gould's Selected Swedish	32	10c	\$.35	\$.65	\$1.20
N. K. & Co.'s Lincoln	32	10c	.35	.65	1.20
Sixty Day	32	10c	.35	.50	.85
Gopher	32	10c	.35	.50	.85
BARLEY					
Velvet	48	10c	\$.50	\$.90	\$1.60
Manshury	48	10c	.50	.90	1.60
Oderbrucker	48	10c	.50	.90	1.60
Wisconsin No. 38, Barbless	...	10c	.50	.95	1.70
SPELTZ					
Speltz or Emmer	40	10c	\$.45	\$.80	\$1.50
RYE					
Spring	56	10c	\$.50	\$.90	\$1.75
WHEAT					
Marquis	60	10c	\$.75	\$1.15	\$2.05
Thatcher	60	10c	.75	1.15	2.05
FLAX					
Common	56	10c	\$1.00	\$1.80	\$3.45
Bison (Sealed and Certified)	56	10c	1.00	1.90	3.55

FIELD PEAS

60 lbs. to the bushel
Seamless bags, 25c each—contain about 150 lbs.

	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
Canada Yellow	15c	\$1.25	\$2.25	\$4.25	\$6.75
White Marrowfat	15c	1.35	2.50	4.75	7.50

FIELD BEANS

60 lbs. to the bushel
Seamless bags extra at 25c each—contain about 150 lbs. per bag

	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
Manchu Soy	10c	\$.75	\$1.35	\$2.50	\$3.75
Illini Soy	10c	.75	1.35	2.50	3.75

BUCKWHEAT

50 lbs. to the bushel
Sacks extra—Burlap, 10c; Seamless, 25c each

	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
Japanese	10c	\$.60	\$1.10	\$2.00	\$3.55

Gould's Special Field Seed Price List—Continued

Issued January 20, 1938

Prices subject to market changes.

FIELD CORN

Seamless bags extra at 25c each; burlap bags 15c each. These quotations are F. O. B. St. Paul. All corn offered subject to stock remaining unsold.

	1 lb.	¼ bu.	½ bu.	1 bu.
Gould's Reliable Yellow Dent	10c	80c	\$1.50	\$2.75
Minnesota No. 13 Cert.	10c	80c	1.50	2.75

FODDER CORN

Seamless bags containing 2½ bu. each, 25c extra; burlap bags, 15c.

	1 lb.	¼ bu.	½ bu.	1 bu.
Gould's Reliable Red Cob (95 to 98% Germ.)	10c	45c	80c	\$1.50
Elephant (88 to 90% Germ.)	10c	45c	80c	1.50
Sweet Corn Fodder, per 100 lbs.				\$6.75

POP CORN

	1 lb.	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Japanese Dwarf Hulless	25c	\$1.00	\$1.90	\$4.50	\$15.00
South American	25c	1.00	1.90	4.50	15.00
Black Beauty	25c	1.00	1.90	4.50	15.00

SORGHUM

Burlap bags, 15c; seamless 25c each, extra.

	Lbs. per acre	1 lb.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Early Amber for Fodder	50	10c	\$0.65	\$1.35	\$2.25	\$4.00
Minnesota Early Black	50	10c	.75	1.50	2.65	4.50

MILLETS

48 lbs. per bushel. In seamless sacks containing about 130 lbs. Sacks 25c each.

	1 lb.	¼ bu.	½ bu.	1 bu.	100 lbs.
German Type	10c	80c	\$1.50	\$2.75	\$4.75
Siberian	10c	70c	1.15	2.15	4.00
Japanese	10c	70c	1.15	2.15	4.00
Broom Corn or White Proso	10c	70c	1.15	2.15	4.00

MISCELLANEOUS FIELD SEEDS

Burlap bags, 15c; seamless 25c each, extra.

	1 lb.	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Sand or Winter Vetch	35c	\$1.25	\$2.25	\$5.00	\$17.50
Sunflower, Mammoth Russian	15c	.65	1.25	2.75	10.00
Sudan Grass	15c	.50	.90	1.75	5.50
Dwarf Essex Rape	15c	.80	1.50	3.00	10.50

INSECTICIDES

Quantity Prices Will Be Quoted Later

Prices in small amounts given in catalog.

ONION SETS

	1 lb.	2 lbs.	½ bu.	1 bu.
White	15c	25c	\$1.50	\$2.50
Yellow	15c	25c	1.50	2.50
Red	15c	25c	1.50	2.50

(PLEASE ADD POSTAGE ON MAIL ORDERS)

ONION PLANTS

Yellow Bermudas, Crystal White Wax, Prizetakers, Valencias.

Prices Will Be Given Later

Hand Selected SEED POTATOES Bags Included

1 pk. ½ bu. 1 bu. 100 lbs.

Prices Will Be Given Later

FERTILIZERS

	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.	500 lbs.	1 ton
Swift's Vigoro, 4-12-4	\$0.45	\$0.85	\$1.50	\$2.50	\$4.00	\$20.00	\$80.00
Armour's Garden & Lawn, 4-8-6	.50	.70	1.00	1.75	3.00	15.00	60.00
Armour's Florist's Mixture, 5-15-5	.50	.75	1.25	2.00	3.00	14.25	57.00
Armour's Special Tree Food, 10-8-6	.50	.75	1.25	2.00	3.50	15.75	63.00
Armour's Special Turf, 10-8-6	.50	.75	1.25	2.00	3.50	15.75	63.00
Armour's Special Turf, 6-12-4	.50	.75	1.00	1.75	2.75	12.50	45.50
Swift's Golf Special, 12-6-4					3.15	13.75	50.00
Swift's Golf Special, 6-12-4					2.60	11.25	41.00
Milorganite, 6-3-0	.50	.75	1.25	1.95	3.10	14.50	46.00
Floranid, 46-0-0	.90	1.50	3.25	5.75	10.80		
Raw Bone, 4-24-0	.35	.60	1.00	2.00	3.30		
Steamed Bone	.35	.60	.85	1.45	2.75		
Rose Grower Bonemeal	.35	.60	1.00	2.00	3.30		
Sheep Manure	.30	.50	.85	1.45	2.50		
Cattle Manure	.35	.55	.85	1.50	2.50		
Poultry Manure	.40	.65	1.25	2.10	3.50		
Sulphate of Ammonia	.35	.55	.90	1.65	2.90		
Nitrate of Soda	.45	.65	1.00	1.75	3.20		
Sulphate of Potash	.50	.80	1.50	2.50	4.00		
Muriate of Potash	.50	.75	1.25	2.00	3.50		
Horn Shavings	.75	1.15	2.15	4.05	8.00		
Hoof Meal	.60	1.00	2.00	3.50	6.15		
Blood Meal	.60	1.00	2.00	3.25	5.50	25.00	95.00
4-8-6	.50	.70	.90	1.50	2.50		
6-15-9	.50	.75	1.15	1.75	3.00		
4-16-4	.50	.75	1.00	1.75	3.00		
0-9-27	.50	.75	1.25	2.00	3.00		
0-10-20	.50	.75	1.00	1.75	3.00		
3-15-12	.50	.75	1.00	1.75	3.00		
2-14-14	.50	.75	1.00	1.75	3.00		
3-9-18	.50	.75	1.00	1.75	3.00		
Super Phosphate, 0-45-0	.50	.75	1.25	2.25	3.85		
Super Phosphate, 0-20-0	.40	.60	.80	1.25	2.00		
Hardwood Ashes	.30	.45	.65	1.00	1.75	8.00	29.05
Pulverized Limestone	.30	.45	.55	.65	1.00		
Gypsum or Land Plaster	.25	.35	.50	.75	1.20		
Hydrated Lime	.25	.40	.55	.75	1.50		

Gould's Cackler

PUBLISHED IN CONNECTION WITH POULTRY FEED PRICE LIST

Vol. 15 JANUARY 20, 1938 No. 1

Proper Feeding of Hens Important Factor In Determining Chick Quality

By C. S. JOHNSON, Manager Poultry Department, Purina Mills

The capacity to lay eggs in profitable quantities must be bred into hens. Housing, sanitation and proper feeding then creates the proper environment and supplies the material to take full advantage of good breeding.

It has been definitely established that the hen cannot lay an egg and better from a food value or hatchability standpoint than the feed she takes into her system. The influences of feeding on hatchability and chick vigor, vitality and livability has been thoroughly proved. Therefore, as a poultry raiser having a right to expect profits from your birds, you must be interested in the feeding program back of the chicks you buy. Vitamins A, D and G must be present in the ration in proper quantities.

Vitamin A is the growth promoting and disease resisting vitamin in feeds. Green feeds, alfalfa leaf meal of top grade quality and yellow corn are high in Vitamin activity. Unfortunately, the Vitamin A activity in some of these ingredients is lost by time. In order to make sure that the ration would contain the proper amount of Vitamin A to protect the hen against colds and nutritional roup, Purina Mills added Puratene to its laying Chows. This revolutionary new ingredient is 750 times more powerful in Vitamin A activity than yellow corn meal. Its Vitamin A activity is stable. It is not lost by time. The hen eating the rations containing Puratene receives the right amount of Vitamin A which she must have in order to have a reserve to put into the egg so that the egg can become a properly developed embryo and a live, profitable chick.

Vitamin D found particularly in Cod Liver Oil and Sardine Oil helps to prevent Rickets, builds stronger bones and puts better shells on eggs. Frequently chicks develop rickets early in life. In many cases the blame is placed on the starting feed the chicks are eating. In altogether too many cases it is not the fault of the starting feed or of the management plan. It is directly the fault of the ration which the hen was fed.

The lack of Vitamin G in the ration results in a distinct lack of hatching power. The result is that either the embryo dies during the 21-day period in the incubator, or it has barely enough strength to get through the shell. But, if the absorbed yolk, which is one-fifth of the weight of the chick at hatching time, does not contain the right amount of Vitamin G, together with the rest of the vitamins

necessary for proper health and strength, that chick will never be the profitable bird it could be had the ration given the hen contained the proper nutrients and vitamins in the first place.

Because that baby chick is literally made from the white, yolk and shell of the egg, during the 21-day incubation period, it is vitally important that these materials contain the right nutrients and vitamins if they are to be in the chick. They cannot be in the chick if they were not in the ration which the hen ate. The hatching egg, potentially life itself, the embryo, cannot contain these nutrients and vitamins necessary to strong vigorous development if they were not in the ration. By the same line of reasoning, the chick cannot get the proper start in life if the absorbed yolk, its breadbasket on which it feeds for the first several hours after hatching, cannot supply it with the necessary nutrients and vitamins unless they were in the ration.

Feeding for hatchability is just one phase of the problem and of the importance of properly feeding hens. If your chicks were of the proper breeding, had the right sort of a program of feeding back of them, and if all other factors were what they should be, then your own management and feeding of the growing chick and pullet becomes the determining factor as to whether you have laid the foundation for profitable egg production. Then the proper laying mash fed to your birds can get eggs out of them. That is the function of feeding. Feeding cannot get eggs out of a hen that were not bred into her.

Get good chicks. Know they are from stock of good breeding and standard type. Investigate the feeding program back of those chicks. Buy them from a responsible source that knows how to hatch chicks. Then follow such recommendations as those given by Purina Mills for starting your chicks, feeding them, and growing your pullets to develop the foundation for profitable egg production.

When you buy chicks and start them on Startena, you build the proper foundation for future production. From the first to the sixth week, you will need only 2 pounds of Startena per chick. From the 7th to the 20th week, you can continue the program of starting your chicks to lay by feeding Growena.

Growena is a highly specialized ration, designed to build strong, big pullets. The big pullets that are properly grown and developed become the big layers of big eggs, capable of long cycles of sustained, high speed production.

Regardless of feed prices or egg prices or chick prices, the situation is always the same. The real reward goes to the poultry raiser who buys good chicks, properly starts them, and continues faithfully a program of building pullets that will develop into strong, vigorous layers.

On that sort of a foundation, it is possible for the poultry raiser to have his pullets ready for top speed production of full sized eggs during the periods of highest egg prices.

Determine now to have your pullets ready to start earning for you. You can do that by starting with the right kind of chicks—and then—see the difference Startena makes.



Poultry Feed Price List Strictly High Grade Feeds

R. L. Gould & Co.

496-502 Jackson Street, St. Paul, Minn.



PLEASE NOTE—This price list cancels all previously issued. Prices quoted include bags, and are F. O. B. St. Paul, subject to change without notice. As prices on grains fluctuate from day to day, orders will be filled at current rate on the day received. Should prices decline we will refund amount overpaid or ship extra quantity to cover cash.

Starting and Growing Mash Feeds

	25 lbs.	50 lbs.	100 lbs.
Purina Chick Startena	\$.95	\$1.80	\$3.45
Purina Turkey Startena	.95	1.80	3.50
Purina Chick Growena	.85	1.60	3.00
Purina Turkey Grower	.80	1.50	2.85

Scratch Feeds

	25 lbs.	50 lbs.	100 lbs.
Gould's Reliable Scratch	\$.60	\$1.15	\$2.20
Purina Chick Chow (Fine)	.75	1.40	2.65
Purina Chick Chow (Coarse)	.75	1.35	2.55
Pigeon Feed	1.00	1.85	3.50

Egg Mash

	25 lbs.	50 lbs.	100 lbs.
Gould's Reliable Egg Mash	\$.85	\$1.55	\$3.00
Purina Lay Chow	.85	1.55	2.95
Purina Layena	.80	1.45	2.80

Dried Buttermilk

12½ lbs.	\$1.00	50 lbs.	\$3.60
25 lbs.	1.85	100 lbs.	7.00

Pure Cod Liver Oil

1 qt.	55c;	½ gal.	85c;	1 gal.	\$1.50
30 gals. at \$1.05 per gal.—Drum included					

Bird Seed

	2 lbs.	5 lbs.	10 lbs.
Bird Seed, Gould's Mixture	\$0.25	\$0.60	\$1.15
Canary	.30	.70	1.30
Rape	.30	.70	1.30
Millet	.20	.35	.70
Sunflower (Select Large)	.25	.60	1.15
Bird Gravel (bulk)	.10	.25	.45
Cuttle Bone		Oz. 10c;	3 ozs. 25c

Poultry Litter

Peat (Large Bale)	\$3.25
(Covers about 350 sq. ft., 1 inch deep.)	

Unmixed Grains

	25 lbs.	50 lbs.	100 lbs.
Steel Cut or Rolled Oats	\$.95	\$1.70	\$3.25
Middlings	.50	.75	1.35
Wheat Bran	.50	.75	1.35
Corn Meal	.60	1.00	1.90
Shelled Corn	.55	.95	1.80
Cottonseed Meal	.75	1.35	2.50
Cracked Corn, screened (medium or hen size)	.60	1.05	1.95
Gluten Feed	.65	1.20	2.25
Kaffir Corn	.75	1.40	2.65
Oil Meal	.80	1.45	2.75
Ground Oats	.65	1.20	2.25
Barley	.60	1.05	2.00
Oats	.50	.90	1.70
Wheat	.70	1.25	2.35
Sunflower Seed (select large)	2.50	4.50	8.50
Sunflower Regular	1.50	2.75	5.25
Cracked Wheat	.75	1.45	2.75
Hulled Oats	1.00	1.85	3.50

High Protein Feeds

	25 lbs.	50 lbs.	100 lbs.
Darling's Meat Scraps	\$.95	\$1.70	\$3.25
Fish Meal	1.00	1.85	3.50
Blood Meal	1.15	2.20	4.25
Ground Bone	.90	1.50	2.50

Shell, Grit and Charcoal

	25 lbs.	50 lbs.	100 lbs.
Oyster Shell (hen size)	\$0.35	\$0.60	\$1.00
Oyster Shell (chick size)	.35	.60	1.00
Mica Crystal Grit (Chick, pigeon or hen size)	.40	.75	1.40
Foust Pigeon Grit	.75	1.35	2.50
Charcoal (Blk. Diamond Brd)	.70	1.20	2.25

Miscellaneous Feed

	25 lbs.	50 lbs.	100 lbs.
Blatchford's Calf Meal	\$1.30	\$2.45	\$4.75
Rabbit Chow (complete)	.90	1.65	2.90
Kennel Chow	1.75	3.20	6.25
Dog Chow	5 lbs., 55c;	25 lbs., \$2.25;	100 lbs., \$7.50

Above prices 10c less on 100-lb. bags picked up at our store.

Venidium

Produces long daisy-like flowers similar to the African Daisy, of deep orange, apricot, cream, white, yellow or salmon colored flowers 4 to 5 inches across marked at center with a reddish-brown zone. Plants grow 2 to 3 feet high. **Fastuosum.** Hybrids. Pkt. 10c.

Violas

(or Tufted Pansies)

Resemble miniature pansies or violets. Do well in sun or shade and flower from early summer until frost. Splendid for border or rockery. Height, about 6 inches.

Apricot. Beautiful rich apricot shade, center tinged orange. Pkt. 15c.

Jersey Gem. Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut flower. Pkt. 25c.

Johnny Jump-up. The plants are easily raised from seed, come into bloom very quickly, and their delightful little pansy faces appeal to every one who admires a pansy or violet. Pkt. 15c.

White Perfection. One of the finest whites. Pkt. 10c.

Violas, mixed colors. Pkt., 10c.

Vinca Rosea (Periwinkle)

Ornamental free-blooming plants with light green shiny foliage. One of the best long-flowering bedding plants. Bloom all summer. A fine cut flower. May also be potted and kept in bloom through the winter. Sow seed indoors early, or in the open when ground is warmed up. Grow 12 to 15 inches high. Mixed. Pkt. 5c.

Wallflower (Goldlack)

Are a half hardy perennial but had best be treated as an annual in this vicinity. Their adaptability for pot culture and outdoor bedding and the peculiar sweet fragrance of their flowers should win favor. They are easily grown and last long as cut flowers. Bloom in July and August. Plants grow about 18 inches high. Single or double, mixed. Pkt. 5c.

Wild Cucumber Vine (Echinocystis)

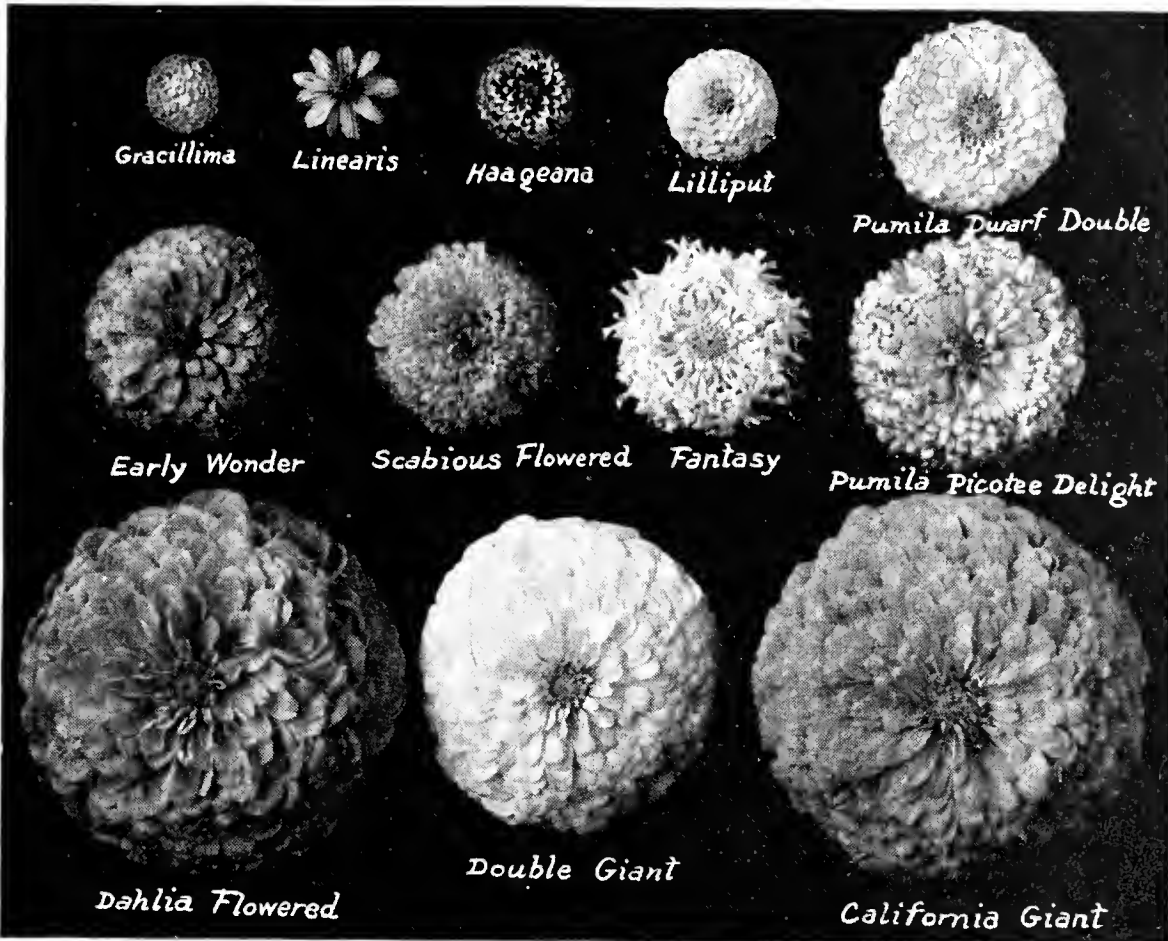
A well known vine, common in many sections, the quickest climber known for covering verandas, old trees, houses, trellises and arbors. It will withstand the heat and drought and retain its fresh green color until frost. It blooms profusely and is never infested with insects. Height, 15 to 20 feet. Pkt. 5c, 1/2 oz. 15c, oz. 25c.

Wild Garden Annual Flower Mixture

The easiest and surest growing annuals that will produce an abundance of flowers for cutting. Pkt. 5c. 1 oz. 15c, 2 oz. 25c, 1/4 lb. 45c.

Xeranthemum

Another of the free blooming annual Everlastings. The flowers are small, but very double and the variation in colors makes it very attractive. The exterior ray petals come in shades of white, pink and purple, while the tufts usually are ivory white. Very desirable for drying and winter bouquets. Height, 18 to 24 inches. Pkt. 5c.



Comparative Zinnia Flower Types.

Zinnias

Zinnias are one of the most desirable and lovely flowers in the garden. They grow well in partial shade but like most flowers do best in a sunny location. The seed may be planted in the garden from May 1st to June 1st, and when the plants are 2 or 3 inches high they should be thinned out to 12 or 15 inches apart. If earlier blooms are wanted the seed may be started indoors and transplanted to the open garden from May 15th to June 1st. Flower from early summer until frost.

TALL, LARGE FLOWERED ZINNIAS

GIANT DAHLIA FLOWERED. 2 1/2 to 3 FEET

- Canary Bird.** Rich canary yellow.
- Crimson Monarch.** Largest of the red.
- Dream.** Deep rosy lavender.
- El Dorado.** Salmon apricot.
- Exquisite.** Light rose, center deep rose.
- Golden Dawn.** Golden yellow.
- Golden State.** Rich orange yellow.
- Illumination.** Deep rose, self color.
- Lemon Beauty.** Light lemon yellow.
- Luminosa.** Bright deep pink.
- Meteor.** Rich deep red, very large.
- Old Gold.** Various shades of old gold.
- Old Rose.** Real old rose shade, large.
- Oriole.** Orange and gold bicolor.
- Polar Bear.** Very large, pure white.
- Purple Prince.** Deep purple, large.
- Scarlet Flame.** Bright scarlet.

Each above or mixed colors. Pkt. 5c. 1/16 oz. 20c, 1/8 oz. 30c, 1/4 oz. 40c.

California Giant or Mammoth. 3 to 4 feet. Mixed colors. Pkt. 5c, 1/16 oz. 20c, 1/8 oz. 30c, 1/4 oz. 40c.

SCABIOUS FLOWERED MIXTURE

Plants 2 to 2 1/2 feet high, flowers resemble Annual Scabiosa. Colors include crimson, scarlet, orange, yellow, pink and white. Pkt. 10c.

PUMILA PICOTEE DELIGHT

Plants 2 to 2 1/2 feet. One of the best Zinnias for cut flowers.

Golden Ray. (New.) Golden orange, very free flowering. Pkt. 10c.

CROWN O'GOLD

An outstanding novelty among Zinnias. Each petal is overlaid with a deep golden yellow at base, while carrying out the individual flower color at tip.

Desert Gold. A new introduction containing the light and deep hues of gold. Plants 2 1/2 to 3 ft. Pkt. 10c.

and cream. Plants 2 1/2 to 3 feet. Mixed. Pkt. 10c.

Zinnia Fantasy, Star Dust. Received the second highest award in the 1937 All-America Flower winners. The color is a rich deep golden yellow. The 2 1/2 to 3-foot plants are very free flowering and bloom in about 45 to 50 days from time of planting. Pkt. 15c.

DWARF, SMALL FLOWERED ZINNIAS

Linearis. (New.) A dwarf early flowering Zinnia, only 8 to 10 inches high with a spread of as much as 2 feet. The single flowers are a deep golden orange with a delicate light yellow stripe with dark center. Pkt. 10c.

Lilliput Pastel Mixture. Dwarf compact plants, 12 to 15 inches in height. Mixture includes soft shades of apricot, peach, yellow, pink, salmon, rose and orchid. Pkt. 5c.

Imp. Lilliput. These plants form little bushes and are covered with tiny short stemmed very double flowers. Bloom all summer until late in the fall. Fine for borders. Grow 12 to 15 inches high. Canary Yellow, Crimson, Golden Orange, Rose Pink, Salmon Rose, White, Scarlet, Burnt Orange, Lilac, Purple, Deep Flesh, or mixed. Pkt. 5c, 1/8 oz. 25c, 1/4 oz. 40c.

Red Riding Hood. Grows but a foot high, of compact form and covered the entire season with double, intense scarlet flowers. Fine for border. Pkt. 5c.

Early Wonder. A new race of dwarf, early flowering Zinnias, producing masses of flowers on long stems. Especially recommended for cut flowers. Deep orange, Fiery Salmon, Cerise Pink, Rose Pink or mixed. Pkt. 10c.

Tom Thumb. Plants are only 4 to 6 inches high, compact, covered with red, orange, yellow, pink, rose and other pastel shades. Excellent pot plant. Mixed colors. Pkt. 10c.

Haageana (Mexican Hybrids). These small double flowers are fine for bedding yet have stems long enough for bouquets. Mixed colors. Pkt. 5c.

Elegant Pumila Dwarf Double. (Cut and come again.) Canary yellow, scarlet, snowball, rose pink or mixed colors. Pkt. 10c.

Spun Gold, Pumila Dwarf Double. Delicate shade of butter yellow. Excellent for cut flowers. Plants are 12 to 18 inches high, with flowers 2 1/2 to 3 inches in diameter on strong, fairly long stems. Early flowering. Pkt. 15c.

Navajo. Another new Zinnia type. The flowers are very attractive, of medium size, about 2 inches in diameter, a good size for cut flower, on stems of medium length. Plants are about 2 feet tall and very free flowering. Colors range through soft tones of rose, pink, bronze, yellow, orange, lavender and combinations of these colors. Most of the flowers are two toned, darker towards the center. Flower 45 days after the seed is sown. (See rear cover page.) Mixed colors. Pkt. 15c.

Fantasy

Given Award of Merit 1935 All-America Selections. Color of flowers range through shades of red, yellow and orange as well as the popular pastel pinks

PERENNIAL FLOWER SEEDS

CULTURE. The seed bed must be well drained, fine and firm. If the soil is at all heavy lighten with sand. The seed may be planted from May to early July. When seedlings have two pair of leaves transplant into rows a few inches apart each way, and later when they begin to crowd transplant a second time. This involves extra work but is necessary to raise sturdy plants. Keep them partly shaded all summer. In August or September, if well developed, they may be placed in their permanent locations where they are to blossom the following year, or left in the seed beds for early spring transplanting.

BIENNIALS. Some varieties if planted early will bloom the first year, but most bloom the second year and die.

PERENNIALS. Many varieties bloom the first year, but usually they start the second year and live indefinitely, excepting that they die down in winter and come to life again in the spring.

SPACING. A safe rule is to plant perennial plants one-half the ultimate height, apart. Do not crowd plants.

CULTIVATION. Use the hoe freely in keeping the ground well cultivated all summer long. You will be repaid with stronger plants and more, beautiful flowers.

WINTER PROTECTION. It is best to cover young plants the first winter with straw or similar mulch along in November, before real cold weather sets in. Most perennials need no winter covering after they have become established, but some, like Oriental Poppies, Shasta Daisies, Tritoma and Iris ought to have a winter covering in late November, here in the Northwest. Remove covering gradually in the spring.

Achillea

One of the best hardy perennials. Grows about 2 to 2½ feet high, blooms from spring until frost. Is covered with deep rose or white double flowers. Flowers resemble Pompon Chrysanthemums. If seed is planted early, it will bloom the first year.

Kelwayi Rosea. Carmine Rose. Pkt. 10c
Double White Yarrow. White. Pkt. 10c

Aconitum (Monk's Hood)

Hardy Perennials with showy blue spikes of hood-shaped flowers. Valuable for planting in shady beds or borders. 3 to 4 feet. Pkt. 10c.



Agrostemma

Agrostemma (Coronaria)

Stout, erect-growing plants with silvery foliage, which contrasts well with the showy bright rosy-crimson flowers, produced during June and July. Grows 2 feet high. Fine for border or rockery. **Atro-sauginea.** Pkt. 10c.

Alpine Asters

Dwarf plants 6 to 10 inches high with large showy bluish-purple flowers with yellow centers. May-June. Pkt. 15c.

Alyssum Saxatile

Has masses of bright yellow flowers. After the blooming season is over the seed pods may be used in Everlasting bouquets. Grows 8 to 12 inches high. Pkt. 10c.

Anchusa (It. Dropmore Variety)

Blue, large, forget-me-not-like flowers. Very fine for the back of the perennial border or for a screen. Grows 4 to 5 feet high, blooms in June and July. Pkt. 10c.

Anthemis (Hardy Marguerite)

Grows about 12 to 15 inches high, bearing in profusion, daisy shaped, yellow or white flowers, that blossom in July and August.

Kelwayi Alba. Hardy White Marguerite. Pkt. 10c.

Tinctoria. Bright yellow shading to white. Pkt. 10c.

Aquilegia (Columbine)

Charming hardy perennial plants growing from 12 inches to three feet high, bearing in countless numbers through May and June their exquisite blossoms of clear blue, white, rose, lavender, yellow and purple. For planting in permanent borders along woods or shrubbery they are unsurpassed. Fine for the rockery.

Coerulea (Rocky Mountain Columbine). A lovely combination of blue and white. Blooms May to July. Plants 1 to 2 feet. Pkt. 10c.

Mrs. Scott Elliott's Strain of Long Spurred Hybrids. This is one of the very finest strains grown. Height, 2½ feet. Mixed colors. Pkt. 10c.

Dobbie's Imperial Long Spurred. A fine strain producing large flowers in brilliant colors. Height about 2½ feet. Pkt. 10c.



Aquilegia Long Spurred

Arabis Alpina (Rock Cress)

Plants are spreading, only 12 inches high, with pure white flowers in spring. Pkt. 10c.

Armeria

A pretty border or rock garden plant that does well even in poor soil. Foliage is grass-like, above its base numerous stiff stems carry little globe-shaped flowers in early summer. Perfectly hardy. Height 6 to 24 inches. **Formosa Large Flowering Hybrids.** 24 inches tall. Pkt. 25c.

Asters

Single fall-flowering hardy herbaceous plants thriving in any good garden soil producing masses of dainty and brightly colored blossoms. Dwarf varieties bloom in late spring and early summer; tall varieties in late summer and fall.

Amellus Hybrids. (Italian Asters.) Early. Height 2½ feet. Pkt. 15c.

Subcoeruleus Florist's Delight. Large lavender blue, yellow disc. Flowers 3 inches across. Bloom June and July. Height 15 inches. Pkt. 15c.

Michaelmas Daisy. Newest varieties mixed. Plants 3 feet high. Pkt. 10c.

Aubrietia (Rainbow Rock Cress)

Showy and beautiful creeping plants, about 6 inches, for borders or rockeries. Flowers of violet, crimson and rose, form a solid mass of color for weeks. Blooms in April and May. Pkt. 10c.

Bellis (English Daisy)

They are semi-hardy and thrive best in a cool, shady place, but do well in almost any soil. Admirably adapted for edgings, borders and low beds, will bloom for years if given winter protection. Height 6 to 8 inches. Mixed colors. Pkt. 10c.

Campanula (Canterbury Bells)

Well known beautiful hardy herbaceous perennials and biennials bearing a great profusion of attractive bell-shaped flowers, thriving best in light, rich soil. Tall varieties are fine for cutting. Heights vary from 9 in. to 5 ft.

Canterbury Bells (Campanula Medium) Grows about 3 feet high and bears single bell-shaped flowers in blue, white, purple, and pink colors. Mixed colors. Pkt. 10c.

Cup and Saucer type. (Campanula Calycanthema.) In this variety the outer petals form a brim, like a saucer. A very popular variety. 2 ft. Pkt. 10c.

Carpatica (Harebell). A pretty variety only 9 inches high, producing clear blue flowers on erect wiry stems from June until September. Fine for edging or rockery. Does well in partial shade. Pkt. 10c.

Rotundifolia (Blue Bells of Scotland). Dainty purple blue flowers. 12 inches. Pkt. 15c.

Longistyla. Large purple flowers with long style, 1 to 1½ feet high. Pkt. 10c.

Pyramidalis. (Chimney Bells). Blooms during August-September. Flowers are blue or white, plants about 5 feet. Mixed colors. Pkt. 10c.

Catananche (Cupid's Dart)

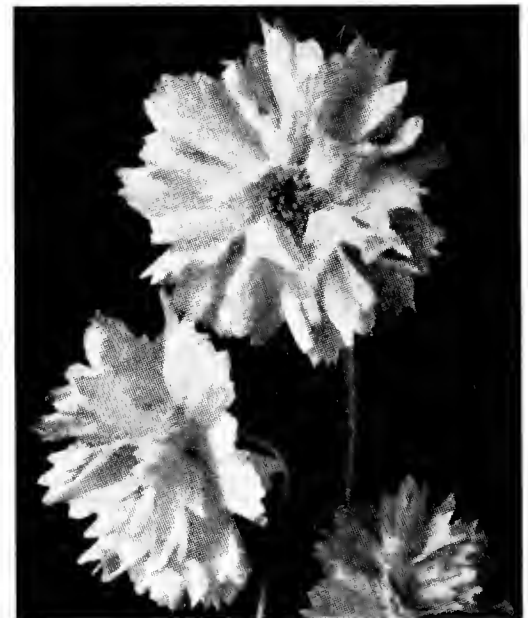
Flowers pale violet with dark center. Grows 12 to 18 inches high. A very nice border plant and Everlasting flower. **Coerulea.** Pkt. 10c.

Cerastium (Snow in Summer)

A pretty perennial plant for edging and rockery. Foliage is silvery and hairy; flowers white, covering plant completely in June. 6 inches. Pkt. 10c.

Chrysanthemum Mawii

Only about 12 inches high, rich pink flowers two inches across. Fine for borders or rockery. Pkt. 15c.



Coreopsis—Double Sunburst

Coreopsis

A hardy perennial about two feet high that produces an abundance of large, daisy shaped flowers on long stems. One of the best perennials for cut flowers. **Lanceolata. (Single.)** Pkt. 10c.

Double Yellow. Greatly improved over the semi-double. Pkt. 10c.

Double Sunburst. The double flowers are 1½ to 2 inches across, deep golden yellow. Flowers are fine keepers and plants easy to grow. Pkt. 10c.

Daisy, Shasta

Alaska. A hardy perennial bearing large pure white flowers, in great profusion on long stems, making it fine for cut flowers. Blooms all summer. Height 24 to 30 inches. Pkt. 10c.

Shasta, Conqueror. Flowers as large as Alaska borne on stems 2 to 3 feet long. Pkt. 10c.

New Giant Double White. Double flowers ranging through semi-doubles to a type though single, forms beautiful large flowers with curled and quilled petals. Height, 2 to 3 ft. Pkt. 25c.

Delphinium (Hardy Larkspur)

Very decorative border plants ranging in height from two to five feet. The colors run from pure white to dark blue. When plants are 15 inches high, they should be staked to prevent breaking down.

Belladonna. This type does not grow quite as tall as most Delphiniums, but they produce more spikes and are more graceful and better for cutting. Flowers are large, light azure blue, plants 3 to 4 ft. high. Pkt. 10c.

Clivedon Beauty. (Improved Belladonna.) Flowers exquisite shade of turquoise blue. 3 to 4 ft. Pkt. 15c.

Bellamosum. This is a dark form of the light blue Belladonna; flowers rich deep blue. 3 to 4 ft. Pkt. 10c.

Bellamosum Improved, deep blue, large

flowers. Pkt. 10c.

Delphinium Hollyhock Strain

flowers. Pkt. 10c.

Gold Medal Hybrids. Many are double flowered and range in color from pale lavender to indigo blue. Mixed colors. Height, 3 to 4 ft. Pkt. 10c.

Cardinale. "Scarlet Larkspur." Long spikes of scarlet flowers. Seed germinates slowly. Grows 2 to 3½ feet. high. Pkt. 10c.

Iceberg. Pure white, 20-inch spikes, comes true from seed. Plants, 3 to 4 ft. Pkt. 15c.

Chiensis. Dwarf or bedding strains, 1 ft. in height. Finest mixed. Pkt. 10c.

New Hollyhock Strains.

These remarkable new Delphiniums now furnish flower lovers with something new which has long been desired. The spikes of flowers are of unusual size and stalks much taller than any Delphinium now being offered.

Blackmore & Langdon Strains. The latest and highest development of the hollyhock type. Height, 3 to 5 ft. Finest mixed. Pkt. 15c.

Bodger's Hollyhock Strain. A selection of light shades. Pkt. 10c.

Wrexham's Hollyhock Strain. Flowers in blue, white and pink combinations many of them bicolors. Many spikes are 1½ to 2 inches in diameter. Plants, 4 to 5 feet. Pkt. 10c.

Digitalis, Foxglove

A very interesting family of old fashioned plants, whose culture is so simple as to bring them within the reach of all. It grows in strong clumps and is one of our very fine hardy biennials. Grows 2 to 4 ft. Mixed colors. Pkt. 10c.

Shirley. A giant variety of the Gloxinia flowered type. Flower spikes 4 feet long of purest white to deepest rose colors, handsomely spotted. 5 to 7 feet. Mixed colors. Pkt. 10c.

Dictamnus (Gas Plant)

A bushy perennial about 3 feet high with attractive flower spikes. The plant oils give off a vapor which will ignite if a lighted match is held under a seed cluster on a sultry summer evening. **Fraxinella.** Mixed. Pkt. 15c.

Dianthus (Hardy Garden Pinks)

These old garden favorites with their carnation-like flowers and clove scent are especially valuable for cut flowers. 12 to 18 inches. Mixed colors. Pkt. 10c.

Erigeron (Midsummer Daisy)

Flowers resemble the hardy Aster, but flower much earlier. Plants grow 2 ft. high. **Speciosus Grandiflorus.** Pkt. 10c.

Eryngium

Handsome ornamental plants that flower from July to September. Bears blue thistle-like flowers that can be dried for winter bouquets. Height, 2 to 3 feet. Pkt. 10c.

Gaillardia Grandiflora, Blanket Flower

A very free blooming perennial bearing large yellow, or red daisy-shaped flowers. Very easy to grow and will bloom all summer. Splendid for cut flowers. Height, 24 to 30 inches. Mixed colors. Pkt. 10c.

Bremen. Deep coppery scarlet, dark brown disc, narrow golden yellow edge. Pkt. 10c.

Burgundy. A new variety, coppery scarlet self. Pkt. 15c.

The Dazzler. Flowers very large, intense maroon-red and golden-yellow tip on the end of each floret. Pkt. 10c.

The King. Large blooms. Pkt. 15c.



Gaillardia, The Dazzler

Grandiflora Goblin. The Little Goblin Gaillardia is the first really dwarf, compact variety especially suited to the rockery. The neat plants reach a height of about 12 to 15 inches, closely covered with large, showy, yellow bordered deep red flowers. Goblin is fine for edges in the perennial border. Pkt. 25c.

Geum

Geums are hardy perennials and belong to the rose family. They produce dwarf tufted plants from which rise graceful stems, 2 feet high, bearing beautiful double flowers. If flowers are kept cut back, the bloom can be continued from June until September. Flower stems should be dipped in warm water after cutting to avoid wilting.

Mrs. Bradshaw. Of orange-scarlet color, blooming the first year if sown early. Pkt. 10c.

Lady Stratheden. Rich golden-yellow flowers. Pkt. 10c.

Hybrida mixed. Pkt. 10c.

Gypsophila (Baby's Breath)

The blossoms are small, star-like, and borne in feathery sprays, which are highly esteemed for cut flowers, as they lend a most graceful effect when combined in bouquets. Grow 2 to 3 ft.

Paniculata. Single white. Pkt. 10c.

Paniculata. Double white. Pkt. 10c.

Mangini. Light pink. Resembles the annual Baby's Breath. 2 feet. Pkt. 10c.

Pacifica. Especially hardy. Grows to 4 feet the second year. The tiny pink blossoms flower late. Pkt. 10c.

Repens. Dwarf Baby's Breath. Splendid in rockeries. Mixed colors. Pkt. 10c.

Helianthemum (Dwarf Sun Rose)

Low growing plants completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. 8 to 12 inches. **Mutable.** Pkt. 10c.

Heliopsis (Orange Sunflower)

A new double flowering perennial bearing golden-yellow Zinnia-like flowers from July on. Height about 3 feet. Fine for cut flowers. Pkt. 10c.

Hibiscus (Marshmallow)

Showy shrub-like plants, 3 to 5 feet high, with handsome green foliage, on which large flowers 3 to 9 inches in diameter are borne from July until fall. Hibiscus send up new shoots each year and are perfectly hardy in the Northwest. Red, Pink, White or Mixed. Pkt. 10c.



Hibiscus

Hollyhocks

The most marked improvement is found in the Chater's strains. These are beautiful beyond description. The Chater's produce for the most part, flowers which are densely double, although occasionally some single blossoms are seen among them. The colors are innumerable, ranging from pure white to darkest maroon, some are bright and gay, others of the softest and most delicate shades and tints. The stalks grow 5 to 7 feet in height. These stalks are densely covered with blossoms as beautiful in texture and appearance as the rose.



Hollyhocks

Double Hollyhocks

Double Emperor. Large rosette flowers, in charming color combinations. Pkt. 10c.

Double Triumph. Beautifully fringed rosette flowers in many new shades and bi-color combinations. Pkt. 10c.

Chater's Double—All 10c a pkt.

Chamois, deep rose, maroon, salmon rose, scarlet, white, yellow, finest mixed, single and double mixed.

Single Hollyhocks

Many prefer the single-flowering hollyhocks. They are usually of freer growth than the doubles and present a very handsome appearance. Mixed, pkt. 10c.

Heuchera (Alum Root, Coral Bells)

Does well in any garden soil producing dainty sprays of rose carmine flowers on long stems. Plants grow 15 to 20 inches. Pkt. 10c.

Honesty (See Lunaria)**Hypericum**

A fine shrub-like plant. The golden yellow flowers which are like immense single buttercups bloom all summer. 2 to 3 feet. **Patulum Forrestri**. Pkt. 10c.

Iberis (Hardy Candytuft)

Very pretty, hardy perennials, for permanent front rows or edgings. Fine for early decorations. Much used for rockeries and cemeteries.

Sempervirens. White flowers in spring. 12 inches. Pkt. 10c.

Gibraltica. Red and rosy-white. 1 to 2 feet. Pkt. 10c.

Kudzu Vine (Jack and the Bean Stalk)

A remarkably hardy climber that will grow 8 to 10 feet the first year from seed. When established, it will grow 40 to 60 feet a season. Tops from young vines may not live through the winter, here in the Northwest, but as roots get older, tops are more likely to survive. Has Wistaria-like purple blossoms in August. **Pueraria**, **Thunbergiana**. Pkt. 10c.

Lathyrus (Hardy Sweet Pea)

Showy, free flowering, hardy perennial climber, valuable for covering old stumps, fences, etc., continually in bloom. Good for cut flowers. They require a rich deep soil. Grows 5 to 7 feet tall. Mixed. Pkt. 10c.

Lavandula Vera. (True Lavender)

Delightfully fragrant flowers July and August. Used dry for their lasting perfume. Plants grow 12 to 18 inches high. Pkt. 10c.

Lilium Regale (Regal Lily)

One of the most beautiful of all known lilies. Flowers are delightfully perfumed, of white, slightly suffused with pink. Blooms in July. Bulbets from spring planted seeds should be lifted and planted deeper in the fall. These bulbets will flower the following summer. Height, about 3 feet. Pkt. 10c.

Lilium Tenuifolium (Coral Lily)

This is only 24 inches high and one of the earliest to bloom. Flowers are deep scarlet and have recurved petals of waxy texture. Pkt. 10c.

Linum (Flax)

A pretty plant for the border, with light graceful foliage, bearing delicate flowers through the entire summer. **Flavum**, (Golden Flax) yellow flowers, very showy rock plant, about 12 inches in height. Pkt. 15c.

Perenne, dainty sky-blue flowers on graceful arching stems. Grows 30 inches high. Pkt. 10c.

Lobelia

Grow 2 to 4 feet in height, bearing long spikes of brilliant flowers from July to September.

Cardinalis, (Cardinal Flower) flaming scarlet. Pkt. 15c.

Lunaria (Honesty or Satin Flower)

A curious biennial chiefly grown for its shiny silvery seed pods, which make a useful winter decoration, arranged with flowers in baskets and bouquets. Grow 18 to 24 inches high. Pkt. 10c.

Lychnis (Rose Campion)

Handsome hardy perennial with brilliant colored flowers. Excellent for borders; blooms first year if sown early. Color; white, pink, to shades of rich scarlet.

Arckwrightii, showy Large Flowered Hybrids, 18 inches. Pkt. 15c.

Forrestii Hybrids, excellent for rock garden and border. 2 feet. Pkt. 15c.

Viscaria Splendens, (Catchfly) deep rose spikes. 1 foot high. Pkt. 10c.

Lupine

Lupine

This will be found a great acquisition to any garden. It forms dense bushes three to four feet high, of elegant spikes completely clothed to the ground with snowy white and deep sea blue flowers, that are very fragrant. Lupines are one of the hardiest perennial plants grown, and will thrive in the poorest soil. Mixed colors, pkt. 10c.

As Lupines are legumes seed should be inoculated with Nitragin. New garden size Nitragin now 10c.

Monarda (Bee Balm)

Hardy plants of free growth, about 2 feet high with aromatic foliage, brilliant scarlet flowers in July and August. **Didyma**. Pkt. 15c.

Myosotis (Forget-Me-Not)

These dainty little flowers love cool moist soils, and bloom freely in spring and fall. They make beautiful close borders or edgings. They flower the first season from early spring-planted seed, or seed may be sown in late summer or early fall. Grow 8 to 12 inches high.

Alpestris. The **Alpestris Myosotis** while a perennial needs winter protection. Is mostly treated as an annual; bright blue. Plants 8 inches high. Pkt. 10c.

Palustris. (Hardy Forget-me-not.) Dwarf blue plants that bloom from early spring until fall. Fine for rock gardens or edgings. 10 inches. Pkt. 10c.

Nepeta

An excellent perennial plant for the rock garden, or anywhere. Very compact, producing during July and August masses of beautiful lavender-blue flowers. **Mussini**. 1 ft. high. Pkt. 10c.

Oenothera (Evening Primrose)

Are elegant plants for growing in an exposed sunny position, either in the border or rockery. Grow 10 to 12 inches high and bear from June until August, large flowers, often 5 inches in diameter.

Missouriensis (macrocarpa). Yellow flowers. Pkt. 10c.

Passiflora (Passion Flower)

Highly interesting herbs and shrubs, mostly climbers that legend and superstition have attached to these plants from the first. The flower was thought to represent the ten apostles present at the Crucifixion. A beautiful vine for the greenhouse or window. Plant in a sunny place outdoors in summer. Mixed. Pkt. 10c.

Pentstemon (Bearded Tongue)

The plants are pyramidal, 2 to 3 feet high, with erect branches thickly set with flowers 1½ inches long, varying in all shades from rosy-white to purple with white or veined throats. Bloom the first season from spring-sown seed. Flower from July until frost.

Sensation Improved. Colors vary from pink to scarlet and maroon, beautifully blotched and veined with other colors. Pkt. 10c.

Physostegia

These handsome plants flower from July until frost, growing 3 to 4 feet high and bear broad, dense spikes of delicate pink tubular flowers not unlike a giant Heather. One of the most beautiful of our mid-summer flowering perennials. **Speciosa**. Pkt. 10c.

Phlox (Hardy Phlox)

These beautiful hardy border plants are among the most effective subjects in the garden during late summer and early fall. Phlox require a soil that is deeply enriched and plenty of water during the blooming period. Divide plants every four years. We are offering a most select strain of seed.

Decussata. Seed slow and erratic in germinating and the seedlings may not appear for a year. Grow 2 to 3 feet high. **Finest mixed, from newest varieties**. Pkt. 10c.

Physalis Franchetti (Chinese Lantern)

The flower of this plant turns to a bright red giving it the appearance of a Chinese lantern. The stems should then be cut for drying, and unlike other Everlastings, should be hung up in an upright position to allow the lanterns to hang in their natural position. Grow 15 to 24 inches high. Pkt. 10c.

Platycodon (Jap. Bell-Flower)

A member of the Campanula family, with handsome, branching spikes 1 to 2 feet high. Platycodon is considered by many the best bell flower. They bear these large, showy deep-blue flowers continuously from July until frost. Plant grows 12 to 24 inches high.

Grandiflorum. Tall deep blue, 18 to 24 inches. Pkt. 10c.

Mariesi, dark blue, dwarf, 12 to 15 inches high. Pkt. 15c.

Poppy, Iceland

Similar to the annual Shirley Poppy but in addition to the white, red and pink shades of the latter, the Iceland Poppy is often a fine yellow or orange color. Plants grow 12 to 15 inches high. Will flower entire season if seed pods are kept picked. Pick when in bud for cut flowers. Bloom the first season from spring-planted seed.

Yellow Wonder.

One of the outstanding introductions of recent years, special mention in the 1937 All-America winners. The stems are unusually long and wiry, 24 inches or longer, and flowers will keep as long as 10 days when cut. Flowers are very large, bright buttercup yellow. Pkt. 25c.

The Empress, (New.) A remarkable new giant poppy, excellent for cutting. Color is a lovely shade of salmon rose and pink. Pkt. 15c.

The Emperor, (New.) The very finest orange Iceland Poppy ever produced. The large flowers are a deep tangerine orange. Bloom first year if sown early. Pkt. 15c.

Sunbeam Finest Mixed. Pkt. 10c.

Double, Finest Mixed. Pkt. 15c.

Sanford's Giants, vigorous growers, long stems, beautiful colors. Pkt. 15c.

Poppy, Oriental

One of the most gorgeous of all perennials, producing in May and June its enormous blossoms, often 6 inches in diameter. The colors range from soft blush and rose to flaming scarlet and richest maroon. The plants are at their best when about 3 years old. Often one specimen will show 10 or 15 blooms. Height of plants, 18 to 30 inches. **All colors mixed**. Pkt. 10c.

Oriental Scarlet. Very striking and glorious color. Pkt. 10c.



Iceland Poppy Emperor

PERENNIAL MIXTURE

As many as 20 different kinds of perennials are included in this splendid mixture. Pkt. 10c.

Pyrethrum

Bears 1 a r g e daisy-like flowers ranging in color from white to deep red with bright yellow centers; fine for cutting. Blooms in early spring and again in the fall. Plants grow 20 to 30 inches. Roseum. Single Mixed. Pkt. 10c. Roseum. Single and Double. Pkt. 10c. Roseum James Kelway. Deep scarlet. Pkt. 10c.



Pyrethrum

Rock Garden Mixture

A selection of finest dwarf perennials. Pkt. 10c.

Romneya (Matilija Poppy)

Plant in a well drained, sunny, sheltered location. Grows 4 to 5 feet high. Blooms June to August. Plants must have winter protection in the Northwest. Coulteri, White. Pkt. 10c.

Rudbeckia (Cone Flower)

This is a hardy, free flowering and easily grown perennial. The daisy-like flowers are fine for cutting, blooming from July until October.

Newmanii Speciosa, orange-yellow, dark disc, 3 feet. Pkt. 10c. Purpurea, rosy purple, 4 feet. Pkt. 10c.

Salvia

Treat as an annual here in the Northwest. Plants grow about 3 feet tall, bearing long spikes of deep blue flowers in August. Seed should be sown indoors in February. Farinacea Blue Bedder. Pkt. 15c.

Saponaria (Bouncing Bet)

A very showy, trailing, hardy perennial rock plant about 9 inches high, producing in summer small, bright rose flowers. Ocymoides. Pkt. 10c.

Scabiosa Caucausica

Resembling in shape the annual Scabiosa, but plants are more vigorous and produce longer and stouter stems as well as larger flowers. This hardy variety bears large blossoms of a delicate lilac, blue pink or white shades. The plants grow 18 to 24 inches high, blooming from July until frost.

Giant Hybrids (Isaac House Strain). Very large fringed and ruffled flowers in various shades of blue. Pkt. 10c.

Goldingensis, deep lavender. Pkt. 10c.

Scutellaria (Skull Cap)

Pretty blue rock plant, 18 inches high, dense bushy habit, abundance of light blue flowers, June to August. Coelestina. Pkt. 10c.

Stachys (Lamb's Ears)

A very desirable plant, about 4 inches, for rock garden, edging or clump in the border where you want intense color. Plant forms densely-leaved mass of bright, silvery-white woolly foliage and light purple flowers. Lanata. Pkt. 10c.

Statice (Sea Lavender)

Produces a mass of tiny blossoms resembling the Baby's Breath, during July and August. These, if cut and dried, last for months.

Puberula (new) dark violet, flowers blooming 5 months from seeding. 6 inches. Pkt. 15c.

Latifolia. A charming variety for the border or rockery of purplish-blue color. Fine for bouquets. 1 ft. Pkt. 10c.

Sunflower (Helianthus)

Seeds sown early will produce flowering plants the first year.

Autumn Glory. Bright yellow flowers; blooming in August and September. Height, 3 to 4 feet. Pkt. 10c.

Maximiliana. Flowers single, clear yellow, with several rows of large ray petals and full center. Blossoms late in the autumn. Height, 5 feet. Pkt. 10c.

Sweet William (Dianthus Barbatus)

A beautiful, free-blooming, hardy perennial producing a splendid effect in beds and borders with rich and varied flowers. Grows 15 to 20 inches high.



Sweet William Single

Single Varities

Dark Crimson. Pink Beauty. Scarlet Beauty. Newport Pink. White.

Single Mixed.

All above, Pkt. 10c.

Double Mixed, Pkt. 10c.

Holborn Glory. Single. A range of colors all showing white eye. Pkt. 10c.

Tritoma (Red Hot Poker)

Although these are hardy plants, many will flower the first year if seed is sown early. They grow 3 to 4 feet high and bear in August blazing, orange-red spikes, blooming until frost. Very fine for cut flowers. Hybrida. Pkt. 10c.

Valeriana (Garden Heliotrope)

A hardy plant, rather spreading, about 2 feet high with silvery green foliage, producing large fragrant clusters of red or white, very fragrant flowers, from June to October. Fine for bouquets. Valeriana should be in every garden. Mixed colors. Pkt. 10c.

Viola Odorata (Sweet Violets)

Owing to their fragrance and simplicity of culture Violets have met with general favor. If planted in a shaded moist position they will thrive and flower freely. About 6 inches. Pkt. 10c.

Wallflower (Cherianthus)

Half hardy perennials bearing early, dainty yellowish, red or orange flowers, which have a delicious odor. Require winter protection in the Northwest. May be started indoors and set out in May. Height, 15 to 18 inches. Single or double, finest mixed. Pkt. 10c.

Helps in Planting Flower Seed or Plants for Various Purposes and Situations

Annual Flowers for Cutting

- Antirrhinum. Gypsophila. Arctotis. Hunnemannia. Asters. Larkspur. Baby's Breath. Marigold. Bachelor Buttons. Mourning Bride. Blue Lace Flower. Nasturtium. Calendula. Phlox. Calliopsis. Pinks. Candytuft. Queen Anne's Lace. Carnations. Scabiosa. Centaurea. Schizanthus. Cosmos. Snapdragon. Dianthus. Sweet Peas. Didiscus. Sweet Sultan. Gaillardia. Verbena. Gladioli. Zinnia.

Fragrant Flowers

- Alyssum. Scabiosa. Candytuft. Stocks. Carnation. Sweet Peas. Cleome. Sweet Sultan. Hellotrope. Sweet William. Matthiola. Violet. Mignonette. Wallflower. Nicotiana.

Tall Showy Annuals for Backgrounds and Borders

- Amaranthus. Marigold. Cannas. Matricaria. Celosia Plumosa. Nicotiana. Centaurea. Poppy, tall. Cleome. Ricinus. Cosmos. Salpiglossis. Hollyhock. Salvia. Larkspur. Sunflower. Lupinus. Zinnia.

Flowers for Shade or Semi-shade

- Achillea. Lobelia. Alyssum. Lupine. Anchusa. Matricaria. Annual Phlox. Myosotis. Aquilegia. Nemesis. Asters. Nicotiana. Bellis Daisies. Oenothera. Canterbury Bells. Pansy. Centaurea. Platycodon. Clarkia. Salvia. Coreopsis. Schizanthus. Delphinium. Snapdragon. Digitalis. Sweet Alyssum. Godetia. Sweet Sultan. Heuchera. Sweet William. Viola.

For Hot Dry Locations

- Amaranthus. Godetia. California Poppy. Ice Plant. Dwarf Marigold. Mimosa. Dwarf Morning Glory. Phlox. Portulacca.

House Plants from Seed

- Agathea. Mimulus. Browallia. Nemesis. Carnation. Passiflora. Heliotrope. Phacelia. Lantana. Schizanthus. Marigold dwarf. Stocks. Mignonette. Tagetes. Mimosa. Wallflower.

Best Annuals for Cemetery

- Ageratum. Lobelia. Alyssum. Pansy. Coleus. Petunia. Geranium. Portulacca.

Everlasting or Straw Flowers for Winter Bouquets

- Acroclinium. Physallis. Chinese Lantern. Rhodanthe. Globe Amaranth. Statice. Helichrysum. Xeranthemum. Honesty.

For Window Boxes, Hanging Baskets, etc.

- Alyssum. Lantana, dwarf. Calendula. Lobelia. Candytuft. Nasturtium. Geraniums. Petunia.

Climbing Vines from Seed

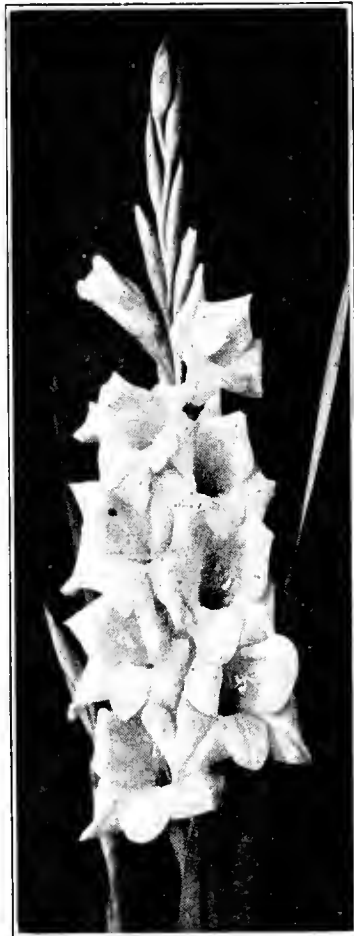
- Canary Bird. Japanese Hop. Cardinal Climber. Kudzu Vine. Cobaea. Moonflower. Dolichos. Morning Glory. Gourds. Nasturtium, tall. Humulus. Scarlet Runner. Hyacinth Bean. Thunbergia. Ipomea. Wild Cucumber.

Low Growing Annuals for Edgings and Rockeries

- Abronia. Lobelia. Agathea. Marigold, dwarf. Ageratum. Nasturtium, dwarf. Alyssum. Oenothera. Anagallis. Pansy. California Poppy. Petunia, dwarf. Candytuft. Phlox, dwarf. Chorizanthe. Portulacca. Cynoglossum. Sanvitalia. Dianthus. Tagetes. Godetia. Verbena. Ice Plant. Viola. Lantana. Zinnia, dwarf.

GLADIOLI

Gladioli Make Wonderful Cut Flowers



Golden Dream
A Very Lovely Yellow Gladiolus

The Gladioli are the most attractive of summer-flowering bulbs. They bloom just when the garden needs brightening up. Their bright spikes help the perennial border especially, which so often lacks color at midsummer before its autumn revival.

CULTURE. The Gladiolus thrives in a sunny location. Grows in any good garden soil, but does much better when the latter has been enriched with a fertilizer like Vigoro, Bone Meal or Sheep Manure. If the bulbs are planted at intervals from April to June the blooming period will extend from July until frost. A trench should be dug five inches deep and an inch of sand placed in the bottom to absorb surplus moisture. Set the bulbs 6 to 8 inches apart.

For earliest blossoms, draw 2 inches of soil over the bulbs at first, replacing the rest when the shoots appear. Keep free from weeds and give plenty of water, especially during the blooming period.

Before the ground freezes lift the bulbs. After the tops dry, they should be cut off, the bulbs separated and the small side growths or bulb-lets, removed. The latter may be handled like the big bulbs. Then the bulbs are placed in paper or cloth bags, sawdust or sand to prevent them from becoming too dry. Keep bulbs in a temperature of about 35 degrees to prevent sprouting.

FOR CUT FLOWER USE. The spike should be cut as soon as the first flower opens on the stalk, preferably before the dew is off in the morning but never in the heat of the day. Cut the stem about 9 inches above the ground and with as little foliage as possible. The foliage is needed for the development of the new bulb. Place the cut flowers in a deep vase, with at least 8 inches of water. Remove the faded blossoms, cut a little off the stem and change the water daily. Treated in this way the buds will open perfectly.

Napthalene Flakes and Thrip Juice will control thrips; Gladioli worst enemy. See pages 49 and 50.

GLADIOLUS, by F. F. Rockwell. It tells how to plant, fertilize, and cultivate; how to harvest and cure; and every other detail needed for success with this popular flower. 45 illustrations, 79 pages, \$1.25.

	Each	Doz.	100
Aida , Best early deep blue.....	6c	60c	4.00
Alice , Very light pink with rose markings. Very large.....	25c	2.50	....
Betty Nuthall , Extra fine, tall orange-pink, pale yellow throat.....	6c	60c	4.00
Blue Danube , Amethyst-blue with darker throat.....	8c	75c	5.00
Blue Torch , A pale violet blue.....	7c	70c	4.50
Charles Dickens , Dark rhodamine purple, darker near center.....	6c	60c	4.00

BEGINNER'S SPECIAL
From the select list of Gladioli listed on this page we offer 25 bulbs, 5 varieties, all named, our selection, for only **\$1**

	Each	Doz.	100
Dr. F. E. Bennett , Peach-red overlaid with flaming scarlet. A very striking color. One of the finest reds....	6c	60c	\$4.00
Dr. Moody , Beautiful lavender of large size	6c	60c	4.00
Elizabeth Swartley , Salmon-pink, white throat.....	6c	60c	4.00
Emile Aubrun , Brilliant coppery bronze with cherry-red blotches.....	6c	60c	4.00
Flaming Sword , (Prim.) Beautiful brilliant red, many open early.....	6c	60c	4.00
Gladdie Boy , (Prim.) Grenadine pink to straw yellow, center gracefully frilled. Large, strong and very beautiful....	6c	60c	4.00
Gladness , Clear bright orange scarlet....	25c	2.50	....
Gloriana , Beautiful golden salmon, yellow throat.....	6c	60c	4.00
Gold Eagle , Early yellow.....	6c	60c	4.00
Golden Dream , Tall, best pure deep yellow. A very choice variety.....	6c	60c	4.50
Hinemoa , Deep rose, heavily flaked with brownish red and immense bright yellow blotch. Great novelty from New Zealand.....	20c	2.00	....
Janet , Smoky old rose.....	8c	75c	5.00
John S. Bach , Immense salmon orange, the largest and finest Glad in existence..	25c	2.50	....
Kirchoff's Violet , True violet.....	6c	60c	4.00
Loyalty , Large, deep yellow. One of the best.....	8c	75c	5.00
Maid of Orleans , Milky white, cream throat	8c	75c	5.00
Mammoth White , Large pure white.....	8c	75c	5.00
Marmora , Large silvery-lavender with petunia blotches.....	6c	60c	4.00
Marocco , Dark maroon, buds look black, darkest black-red we know.....	8c	75c	5.00
Mary Elizabeth , Creamy white, yellow in throat.....	15c	1.50	10.00
Minuet , A delicate shade of lavender, considered as the best lavender Glad. A beauty for cut flowers.....	8c	75c	5.00
Mother Machree , Smoky lavender and orange, subdued by neutral gray.....	10c	1.00	7.00
Mrs. Leon Douglas , Very large and showy, salmon-rose striped scarlet, lower petals lemon, speckled ruby.....	6c	60c	4.00
Muriel , Pale violet blue, large open flowers	6c	60c	4.00
Olive Goodrich , White and pink to cream throat.....	6c	60c	4.00
Orange Wonder , Tall, rich clear orange... throat.....	6c	60c	4.00
Pearl of California , Pure pink, white throat.....	7c	70c	4.50
Picardy , Sensational shrimp pink.....	6c	60c	4.00
Primrose Princess , Clear primrose yellow. Very large, stately blooms, long flower spike.....	6c	60c	4.00
Prince of India , Combination of orange-buff salmon and slate. Most unusual color combination and great novelty..	8c	75c	5.00
Professor Van Slogteren , Beautiful soft pink with slight carmine markings....	10c	1.00	7.00
Red Glory , Bright ruffled red. Beautiful spike of large flowers.....	8c	80c	5.00
Rosemarie Pfitzer , Creamy white, blushed pink, large, ruffled.....	15c	1.50	10.00
Seestern , Large pure pink.....	15c	1.50	10.00
Senorita , Large, orange yellow with carmine lines.....	6c	60c	4.00
Smiling Maestro , Deep salmon rose. One of the world's finest.....	25c	2.50	....
Southern Cross , Fine, deep red.....	8c	75c	5.00
Sunshine Girl , Clear pink, yellow throat..	6c	60c	4.00
Veilchenblau , Violet blue with pansy-like blotches.....	6c	60c	4.00
White Orchid , Creamy white, resembles an orchid.....	10c	1.00	7.00
Mixed Colors , (Large size).....	4c	40c	2.50
Mixed Colors , (Medium size).....	2c	20c	1.25

Postage extra. 1 doz., 10c; 5c for each additional dozen. 25 or more of one kind at 100 rate.

WATER LILIES

Water Lilies are one of the easiest plants to grow and no flower in the garden is as fascinating and lovely as the water lily. We give full planting instructions with each order. The following select water lilies are hardy varieties.

- Amabilis**, Flowers deep pink, almost red in center, which lighten to a silver pink on the tips. Blooms are starry in form, slightly cupped. A very desirable and charming lily. Each.....\$1.75
- Marliacea Albida**, Pure white blooms of large size with yellow stamens. Are quite fragrant. The snowy white lilies bloom continuously throughout the season. A splendid variety. Each. \$1.00
- Marliacea Chromatella**, Yellow. The most popular of all water lilies. Blooms are a sulphur yellow and start blooming early, producing an endless succession of flowers. Leaves are handsomely spotted with maroon. Each.....\$1.25
- Pink Opal**, One of the finest pink lilies for cut flowers. The handsome deep pink blooms are of medium size. The flowers stand well above the water. Each.....\$1.00



IRIS

Iris should be planted in a sunny location and may be planted in groups or singly. The Iris should be planted in a well drained location as too much moisture, especially in hot weather, may cause the roots to decay. Iris may be planted at any time of the year except when they are in bloom or when the ground is frozen, although the best time for planting is in the early spring or months of July and August.

We are offering the following select list of popular Iris for spring delivery, or orders will be accepted for July or August delivery. The roots or rhizomes are larger in July or August than in the spring. In the following descriptions, Standards signify the three erect or upright curling petals. Falls, the three drooping petals. In the descriptions below, S. stands for Standards; F., for Falls.



Indian Chief Iris

Baldwin. An unusual Iris. Its large blooms are rounded and full. Color is soft manganese violet to heiloptre. Each, 30c; 3 for 80c.

Blue Banner. This blue Iris with its fluted form and two tones of blue is an outstanding blue effect in the garden. Each, 25c; 3 for 60c.

Clara Noyes. New to the rainbow are the orange and apricot tints and rose veining of Clara Noyes. A warm colored Iris; very individual. Each, 35c; 3 for 90c.

Columbine. A dainty starched white carried airily on tall well-branched stems. A wonderful Iris for cutting purposes. Each, 25c; 3 for 60c.

Coronation. Rich golden yellow; twice as tall and large as most yellow Iris. Each, 25c; 3 for 60c.

Dolly Madison. A beautiful shimmering lavender and pearly lavender lit up by a bright orange beard. Very unusual. Each, 25c; 3 for 60c.

El Capitan. Huge blooms carried on well-branched stems. This upstanding blue flower measures six inches from top to bottom. Each, 30c; 3 for 80c.

Frieda Mohr. A lavender rose color, very rare. Blooms are beautifully formed and extra large. Strongly recommended. Each, 25c; 3 for 60c.

Gertrude. 34 inches. Very early. S. and F. a deep lavender blue. The beautiful large flowers coming very early when the garden is lacking in color, make the Gertrude a prime favorite. Each, 25c; 3 for 60c.

Grace Sturtevant. A very rich deep velvety brown of great richness and quality. The deep orange beard gives much life to the flower. Each, 30c; 3 for 80c.

Indian Chief. This is an extremely popular Iris. One of the red Iris just introduced less than ten years ago at a price over \$20.00. Two tones of red, the standards are lighter with rich velvety falls. It is a colorful Iris. A superb grower and a most satisfactory plant. Each, 25c; 3 for 60c.

King Tut. Brilliant blazing chestnut red brown. One of the reddest and brightest Iris. Each, 25c; 3 for 60c.

Klamath. A bronzed purple of excellent form and huge size. The richness of coloring and the combination of colors is reminiscent of a gorgeous rug. Each, 30c; 3 for 80c.

Lent A. Williamson. An American production of great rank. S., soft campanula violet and F., rich velvety pansy violet. Early. Each, 25c; 3 for 60c.

Los Angeles. A huge satiny white of beautiful form, delicately marked blue which you will admire. Each, 50c.

Mary Barnett. This is the queen of the beautiful soft light lavender blue Iris. A prominent golden beard and heart glow make this Iris wonderful in every respect. Each, 25c; 3 for 60c.

Midgard. A most delicately colored Iris of soft pink, rose and soft, creamy yellow, fine substance and a most gorgeous color. This Iris is highly recommended and very popular. Mid-season. Each, 25c; 3 for 60c.

Mme. Gaudichau. F., velvety blackish purple; S., very much the same color, even the beard is purple giving a very uniform color. Each, 25c; 3 for 60c.

Morning Splendor. The finest American Iris. The large flowers are of a rich red tone, perfect form and heavy substance. Besides it has delightful fragrance and borne on tall, sturdy stems. Each, 25c; 3 for 60c.

Prospero. A tall grower with flowers of large size. S., pale lavender, flushed yellow at base. F., deep red-purple. Each, 25c; 3 for 60c.

Rameses. Upstanding giant in tones of golden buff and rosy pink. A clump of several spikes of this variety is stunning in the garden. Each, 25c; 3 for 60c.

Sir Michael. Known throughout the Iris world as one of the most unusual colored Iris, combining sky blue standards with a rich velvety mahogany purple falls. The entire flower is lighted by the brightest orange gold beard. Each, 25c; 3 for 60c.

Trostinger. A pure pale rose pink self; very large. Should be in every garden. Each, 25c; 3 for 60c.

William Mohr. A sensational new Iris. Huge globular formed blooms. The whole bloom is veined beautifully manganese violet on pale lilac. Give it a warm sunny location. No other Iris like it. Each, 30c; 3 for 80c.

(Iris prices are postpaid.)

IRISES, by F. F. Rockwell. Describes all types; tells the best soils; what fertilizers to use; how to plant, and what care is necessary. Postpaid.....**\$1.35**

DAHLIAS

The Dahlia is one of the most popular of garden flowers. Its flowers may be used for garden decorations, house decorations, bouquets, florists' work and exhibition.

CULTURE. An open, sunny location seems to favor them at all times.

Dahlias can be planted any time after danger of frost is over; and under ordinary conditions will blossom in from 6 to 8 weeks after they have been planted.

Plant bulb 6 inches deep, flat down, having sprout or eye facing upwards; cover with about two inches of soil. When sprouts are 6 inches high add more soil, making it level with surface.

Cultivation is the principal requirement of the Dahlia—the most important of all operations to insure success.

Abbreviations: (C.) Cactus; (S. C.) Semi-Cactus; (F. D.) Formal Decorative; (I. D.) Informal Decorative.

	Each
Aladdin's Lamp. (I. D.) Scarlet red shading into peach red	40c
Amer Queen. (Pompon.) Very fine deep amber....	15c
American Eagle. (S. C.) Crimson.....	15c
Atlantic Ocean. (I. D.) Canary yellow.....	15c
Barbara Redfern. (I. D.) Old rose and old gold with touch of lavender suffusion	15c
Dad or Daddy. (I. D.) Large red.....	15c
F. W. Fellows. (C.) Orange scarlet.....	15c
Fairy. (Pompon.) A miniature Jersey beauty.....	15c
Golden Queen. (Pompon.) Lovely pure rich yellow..	15c
Jack O'Lantern. (I. D.) Scarlet, reverse picric yellow.	15c
Jaue Cowl. (I.D.) Bronzy buff and gold. A beautiful Dahlia	15c
Jean Trumbec. (S.C.) Petunia violet.....	50c

	Each
Jersey's Beacon. (F. D.) Chinese scarlet	15c
Jersey's Radiant. (S. C.) Orange	15c
Jersey's Sovereign. (F. D.) Orange-scarlet	15c
King of Blacks. (F. D.) Velvet red	40c
Little Jewel. (Pompon.) Bright pink	15c
Monmouth Champion. (F. D.) A giant flower of brilliant, glistening, orange flame....	15c
Mrs. George Le Bontellier. (Dec.) Deep crimson.....	75c
Mrs. I. De Ver Warner. (F. D.) Orchid pink, a favorite....	15c
Murphy's Masterpiece. (Dec.) Gigantic dark red....	1.00
Nellie Austin. (Dec.) Peach red, striped with gold..	15c
Phantom. (Dec.) Large purple edged with white....	1.25
Red Wing. (I. D.) Nopal red.....	15c
Rose Fallon. (F. D.) Old gold.....	25c
Sanhican's Bluebird. (F. D.) Bright violet blue....	15c
Shahrazade. (I. D.) Large blooms of deep pink....	15c
Shirley E. Shattuck. (I. D.) Orchid lavender.....	15c
Snowclad. (Pompon.) The best pure white.....	15c
The Commodore. (Dec.) Large free flowering, yellow	15c
Thomas A. Edison. (F. D.) A royal purple.....	25c
White Wonder. (I. D.) This is considered one of the largest and best white Dahlias.....	50c

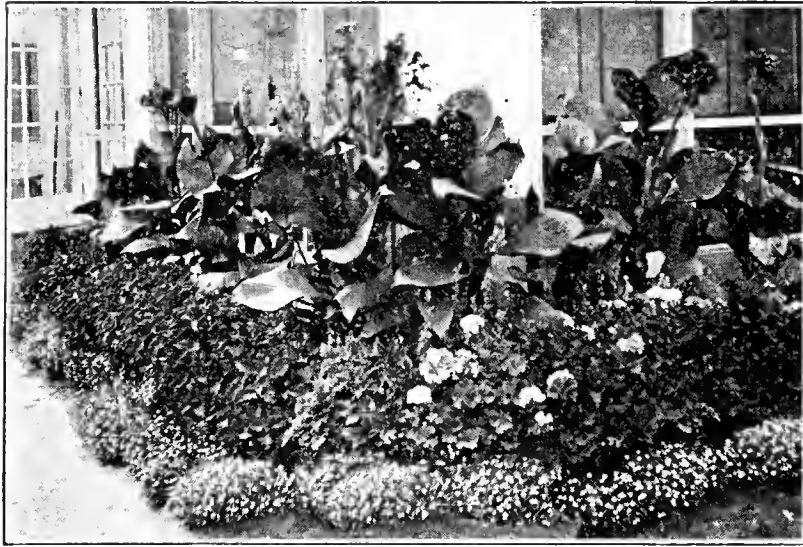


Dahlia

SPECIAL DAHLIA OFFER.
12 of those priced 15c for \$1.25; or one each of the foregoing 32 varieties, postpaid for \$5.50. Cash with order.

CANNAS

Cannas with their rich foliage and brilliant flowers are a big favorite as a beautifier of home grounds and parks. The Cannas thrive under almost any conditions and if given a little care and attention, will produce an abundance of attractive foliage as well as large spikes of beautiful flowers of unusually bright colors. Their long flowering season insures a constant display of color. Cannas make the best showing when planted in beds by themselves. The soil should be well fertilized and worked up thoroughly to a depth of 10 to 12 inches. The bulbs can be set about 12 inches apart and about



4 to 6 inches deep. Mulching with lawn cuttings will help retain the moisture. Start bulbs in pots indoors in March or April. Do not set out until all danger of frost is over; about June 1st here in the Northwest.

The Cannas we offer are not dormant bulbs, but potted plants that have been started in the greenhouse so that they have developed a real live root system. Give them plenty of moisture until they are set out. Add postage to mail orders.

Ambassador. Foliage bronze, flowers cherry red and very brilliant. Grows 3½ to 4 feet high. Each, 15c; dozen, \$1.50.

City of Portland. A deep pink which does not fade during the hot weather. A free bloomer. Foliage green. Each, 15c; dozen, \$1.50.

Eureka. A remarkable free-flowering variety of white flowers, which first appear cream. Foliage green. 4½ feet. Each, 15c; dozen, \$1.50.

Firebird. Green foliage, deep red blooms, very hardy. 4 feet. Each, 15c; dozen, \$1.50.

Hungaria. Green foliage, rich soft pink flowers. A very prolific bloomer. 4 feet. Each, 15c; dozen, \$1.50.

Karl Merck. Green foliage, flowers pure yellow with tinge of orange and pink becoming red in throat. Very large flower spike. 4 feet. Each, 15c; dozen, \$1.50.

King Humbert. Scarlet flowers and bronze leaves. A remarkable Canna, 4 feet high. Each, 15c; dozen, \$1.50.

Mrs. A. Conard. Large, salmon-pink flowers, green foliage. Grows 4 feet high. Each, 15c; dozen, \$1.50.

Shenandoah. Rich ruby red foliage with large clusters of salmon-pink flowers. 4 feet. Each, 15c; dozen, \$1.50.

The President. A rich, glowing scarlet, and immense flowers, produced on erect stalks well above the green foliage. Grows 5 feet high. Each, 15c; dozen, \$1.50.

Yellow King Humbert. Foliage is a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. Grows 4 feet high. Each, 15c; dozen, \$1.50.

PEONIES

The Peony is a native of Siberia which undoubtedly accounts for its great vigor and hardiness. The ideal flower for the great Northwest since it endures the most intense cold without injury. The Peony is one of the most easily grown, and showiest of the perennial flowering plants.

Conditions of the soil, location and cultivation are important factors in growing Peonies. Peonies may be planted in the spring during the month of April and the early part of May, or in September. Work the soil thoroughly to a depth of 8 or 10 inches, applying at the same time a generous amount of Vigoro or bone meal fertilizer, mixed well into the soil. Plant root in this prepared soil so that the crown will be about 1 inch below the surface. Press the soil firmly around the roots.

Peonies should not be planted any closer than 3 feet apart and should not be close to trees as the roots of the trees take from the soil the nourishing elements that are needed by the Peonies. Peonies do best in a sunny location.

The following selected varieties we offer for spring delivery at very attractive prices, postpaid. Large 3 to 5 eye divisions. We also have Peony roots during September and October.

Whites

- | | |
|--|----------------|
| Frances Willard. This variety is listed among the world's most beautiful Peonies. It opens an exquisite blush white, with an occasional carmine touch, changing to pure white. Although delicate in appearance, it is of good substance and an excellent cut flower. Midseason..... | Each
\$1.00 |
| Mme. Emile Lemoine, glossy white, overlaid with a sheen of delicate satiny pink, covered with tiny dots of deeper pink. A rare, beautiful peony; strong grower, free bloomer..... | .75 |
| Unnamed White | .50 |

Reds

- | | |
|---|-----|
| Karl Rosenfield, a very brilliant and striking variety of dark crimson. Globular, compact, semi-rose type, and very large. A splendid keeper as cut flower. Blooms mid-season | .75 |
| Lora Dexheimer, a splendid Peony of intense flaming crimson shading darker at base of petals. Cylinder shape and semi-rose type. Of immense size. Blooms early. A beauty..... | .75 |
| Mary Brand, a wonderful crimson variety with a silky brightness. Flowers are very large, semi-rose, and with golden stamens scattered through the center of fringed petals. Flowers mid-season. | .75 |
| Unnamed Red | .60 |

Pinks

- | | |
|--|-----|
| Claire Dubois. A flower of immense globular form, with long incurved petals of uniform shade of clear violet-rose, tipped silvery white. A superb cut flower. Blooms late..... | .75 |
| Mons. Jules Elie, immense, globular, glossy flesh pink, shading to deeper rose at base, silvery reflex enveloping the whole bloom. A beautiful Peony that flowers early, keeps long | .75 |



Peonies—As Beautiful as the Rose—Hardy as the Oak
Each

- | | |
|--|--------|
| Reine Hortense, a show flower usually found in the winning classes. Color a uniform hydrangea pink, minutely splashed on a white background; also prominently flecked with crimson. Truly a wonder flower | \$1.00 |
| Sarah Bernhardt, of a semi-rose type, blooming in late mid-season. Guard petals are apple blossom-pink, with center salmon colored. Very fragrant, and a free bloomer. A rare beauty..... | .75 |
| Therese, very large, somewhat loosely built; long narrow pointed petals. Early mid-season pink, fading towards the center, and illumined by a golden yellow glow in the depth. A supreme flower for exhibition purposes | 2.00 |
| Unnamed Pink | .50 |

Yellow

- | | |
|--|------|
| Primevere, a fine yellow peony. Guard petals creamy white, enclosing a central ball of sulphur yellow. If cut in the bud, as it begins to open, so the flower may develop away from the sun, it will hold a clear yellow color. Very beautiful..... | 1.50 |
|--|------|

Roses—Shrubs—Vines
Bulbs—Trees

Shrubbery

Berry Bushes—Grapes
Fruit Trees



Every Garden Should Have Roses

In the shrubs, fruit trees, berry bushes, etc., listed in the following pages, we are offering only those varieties that are especially hardy for the Northwest. As with our seeds, we take special pains in getting the very best, strong, healthy stock obtainable. Plant shrubbery as early in the spring as you can as conditions then are ideal in establishing a good root growth which is very important in transplanting.

Everblooming Hybrid Tea Roses

From early June until frost these roses will bloom constantly, showing often 20 blooms and buds at a time. They are not as hardy as the Perpetual types.

GRUSS AN TEPLITZ. Double blooms of brilliant crimson. Unquestionably one of the most useful roses for garden decoration. Each, 75c.

LOS ANGELES. Beautifully shaped fragrant flowers of pale salmon pink richly shaded with deep rose and gold. The buds are long and pointed and long-stemmed. One of the finest roses. Each, 75c.

MISS LOLITA ARMOUR. An exceedingly attractive variety either in the bud or fully expanded flower. The color of the bud is coppery-red shaded with orange and salmon maturing into flowers of golden yellow. Each, 75c.

MME. BUTTERFLY. One of the most popular and finest of the Ophelia type of Rose. Flowers are bright light pink, shaded with gold. Each, 75c.

RED RADIANCE. The globular heavy stemmed "Radiance" duplicated in all respects, except color; being a brilliant crimson. Delightfully fragrant. Each, 75c.

SOUV de CLAUDIUS PERNET. The most pleasing yellow rose ever introduced. Flowers are a comparatively unfading sunflower yellow, deeper toned at center; buds long and pointed. Is a vigorous grower with brilliant foliage and almost thornless stems. Each, 75c.

TALISMAN. Brilliant gold, cerise, scarlet and pure yellow in indescribable richness and combinations make Talisman the most spectacular rose ever produced. A beauty. Each, 75c.

BABY RAMBLER. Attains a height of about two feet. The flowers are formed in profuse clusters until frost. Each, 75c.

Climbing Roses

CLIMBING AMERICAN BEAUTY. A free climber. Rosy crimson flowers 3-4 inches across, produced freely in June and occasionally throughout the season. Very fragrant. Each, 75c.

CLIMBING GRUSS AN TEPLITZ. Vigorous, branching grower, bearing continually bright crimson flowers like the bush Rose of the same name. One of the best where seasons are not too severe. Each, 75c.

CRIMSON RAMBLER. An always popular, very strong growing climber, producing huge clusters of blazing scarlet flowers. Quite the showiest of the small flowering rambler. Each, 75c.

DOROTHY PERKINS. Beautiful shell pink double flowers in large clusters. Strong and vigorous grower attaining a length of 20 feet in a season. Each, 75c.

GARDENIA. A very strong grower with beautiful glossy foliage. Buds are of a rich creamy yellow. Most popular yellow climber. Each, 75c.

PAUL'S SCARLET CLIMBER. A most important addition to the climbing roses; no other rose in any class can compare with it for brilliancy of color which is deep scarlet. Flowers are of large size. Each, 75c.

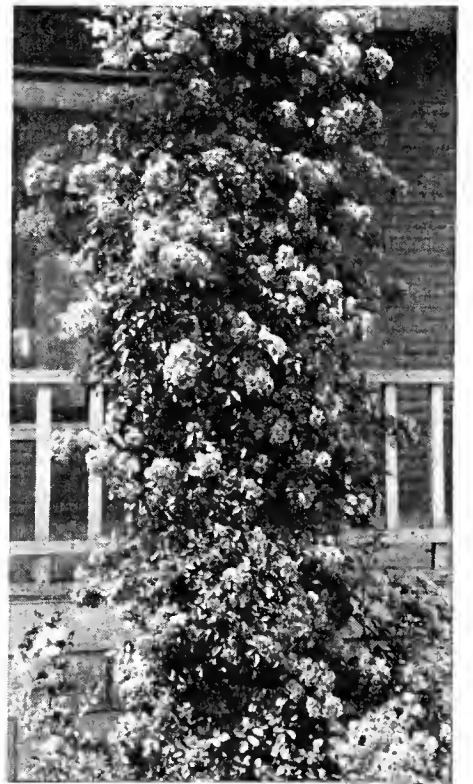
Hardy Rugosa Roses

Are very ornamental in shrubbery groups, hedges, or as individual bushes. Need no winter protection.

RED GROOTENDORST (Hybrid Polyantha-Rugosa). The bright red double flowers are freely and continuously produced in large clusters from early June until late fall. It is one of the most suitable plants for ever-blooming hedge, also desirable for shrubbery and specimen plantings. Needs no winter protection. Each, 75c.

PINK F. J. GROOTENDORST. Identical with the above red variety excepting color, which is a charming clear pink. Each, 75c.

HANSA RUGOSA. A showy hybrid with abundant large, reddish violet flowers. Each, 60c.



Crimson Rambler Roses
Extra Hardy—Profuse Bloomer

MAIL ORDERS
MAIL ORDERS FOR NURSERY STOCK ARE SENT TO MINNESOTA AND WISCONSIN POINTS ONLY. All prices are F. O. B. St. Paul. If wanted by Parcel Post, add 20% for postage and packing with a minimum of 15c; if by Express or Freight, add 10% for special packing.

BENCH ROSE SPECIAL

We offer the following bench Roses, primarily, a one year bloomer. Often they winter over and bloom for several years. Premier, deep rose-pink; Templar, red; Briarcliff, rose-pink; Ophelia, pale pink and gold; Talisman, apricot, gold and pink; Joanna Hill, yellow. Each 35c; 3 for 95c. Postpaid within 3rd zone, \$1.20.

Hybrid Perpetual Roses

These are the hardiest of all roses, and flowers are larger but do not bloom as often as the Tea Roses. Will as a rule have two or more blooming periods a season. Need winter protection.

AMERICAN BEAUTY. A famous, deep rose red flower, popular in the florist shops for many years. The color is a trifle hard to keep in the outdoor garden but its fragrance is superb. Each, 75c.

BLACK PRINCE. Deep blackish crimson, large full and globular. Very hardy and free-flowering. Each, 75c.

FRAU KARL DRUSCHKI. Very large, pure white buds and blooms of perfect form, excellent texture and keeping qualities. Considered the best white rose for general planting. Each, 75c.

GENERAL JACK (General Jacqueminot). One of the most famous of the older roses. Its bright crimson buds and flowers are attractive and fragrant. Each, 75c.

HARRISON'S YELLOW. A big bushy shrub, producing untold quantities of medium sized, semi-double, light yellow flowers in early summer. One of the best hardy yellow roses for shrub and specimen use. Each, 75c.

MABEL MORRISON. White, somewhat tinged with blush; in the autumn the edges of the petals are often pink. Each, 75c.

MARGARET DICKSON. One of the choicest of the June Roses. Flowers pure, waxy, unblemished white. Each, 75c.

MRS. JOHN LAING. A soft delicate pink. Fragrant. Flowers over a long period. Each, 75c.

PAUL NEYRON. This old time rose long enjoyed the reputation of being the largest of all. Deep rose, very fragrant. Each, 75c.

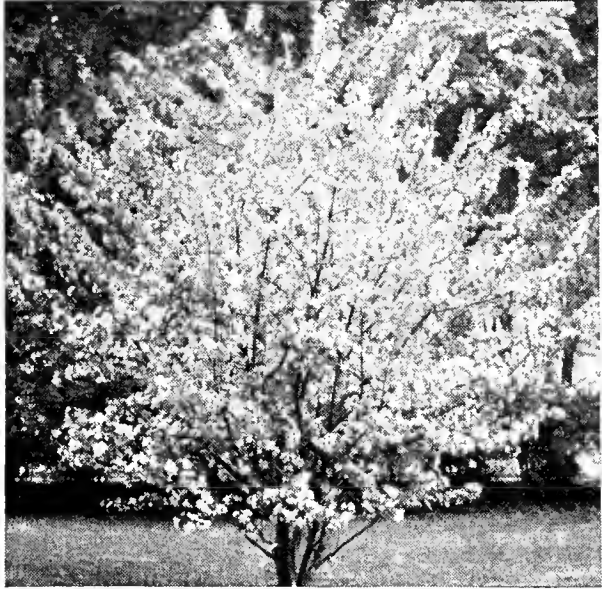
PERSIAN YELLOW. The hardy yellow rose of old times. Deep golden yellow, semi-double and very hardy. Suitable for planting in old-fashioned gardens and among shrubs. Each, 75c.

ROSES, by F. F. Rockwell. Tells just what the beginner or average flower lover can do with roses. Complete directions for rose care and culture, planting, propagation, protection from insects and diseases. 74 illus., 88 pages. Postpaid, \$1.35.

Shrubs

ALMOND, PINK FLOWERING. Rose-like pink flowers in early spring. Should be planted deeply to prevent sprouting of the plum root on which for hardiness, this variety must be grown. One of the most beautiful early flowering shrubs. 3 to 4 feet high. Each, 75c.

BEAUTY BUSH. A very handsome hardy shrub, growing 6 to 8 feet high, resembling the Weigelia and Honey-suckle, bearing an amazing lot of pale pink bell-shaped flowers in June. A fine shrub. Each, \$1.00.



Almond, Pink Flowering

BUTTERFLY BUSH (*Buddleia magnifica*). A shrubby perennial sometimes called summer lilac. Blossoms borne in long racemes and are rosy lilac in color with orange centers. A fairly rich soil, sunny position and abundance of water are essential for the successful culture of the *Buddleias*. New growth starts from roots each year. Grows 3 to 4 feet high. Each, 75c.

Please Note

Nursery Stock after leaving our premises is beyond our control and we cannot guarantee it to grow. If, however, we are notified before July 1st, that any such stock purchased from us at the regular catalog price during the month of April or May of this year did not grow, we will replace same next spring at one half the original cost. This does not apply to Nursery Stock purchased below quoted prices.

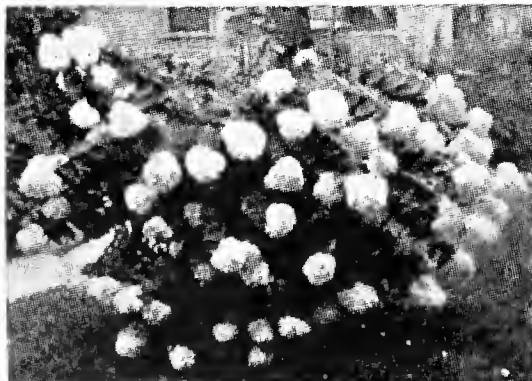
CRAB, BECHTEL'S DOUBLE FLOWERING. Covered in spring with fragrant double rose-like pink flowers. A splendid small lawn tree. Grows 15 feet tall. Each, \$2.00.

ELDER, GOLDEN (*Sambucus aurea*). A shrub of medium height with yellow foliage and white flowers. Valuable for group planting because of its contrast in color. Grows 7 feet tall. Each, 50c.

FLOWERING PLUM (*Prunus trioba* var. *plena*). A showy and interesting shrub, bearing in the spring, on its long slender branches a wealth of large pink double flowers. One of the finest spring blooming shrubs. Grows 5 feet high. Each, 75c.

HIGH BUSH CRANBERRY (*V. opulus*). A very ornamental shrub with white flowers in late spring, followed in autumn by bright scarlet edible berries which remain until early winter. Grows 8 feet tall. Each, 75c.

HONEYSUCKLE, RED. (*Lonicera tatarica siberica*). Very hardy, good for hedge or background for low growing shrubs. Fragrant red flowers in May and June, followed by red berries. Grows 8 feet high. Each, 50c.



Hydrangea Paniculata Grandiflora

HYDRANGEA (*Paniculata grandiflora*). One of the showiest of autumn shrubs bearing conical flower heads of creamy white which later change to pleasing shades of red and pink in August and September. Always in demand for home yard planting because of the large flowers when most other shrubs are

out of bloom. Grows 4 feet high. Each, 75c.

HYDRANGEA SNOWBALL. (*H. arborescens grandiflora*). Heavy snowball-like flowers of white from late June to frost. Should have plenty of water. Will stand partial shade. Often used for solid low borders. Grows 3 to 4 feet high. Each, 75c.

FERTILIZED EARTH

This is rich soil, specially enriched with fertilizer, and prepared for house plants, window boxes, etc. Is thoroughly mixed and cured to give the best results to house plants and to prevent crusting which stunts or kills so many house plants, planted in ordinary soil.

10 lbs. (enough for 6—5-inch pots).....\$0.25
100 lbs. 2.00

LILAC, Common Purple. These are the old-fashioned Lilacs. Very hardy. 2 to 3 feet. Each, 50c.

LILAC, PERSIAN (*Syringa persica*): A beautiful shrub with slender, arching branches and narrow leaves. Pale purple flowers in May. Grows 7 feet. Each, 75c.

LILAC Rothuagensis (Rouen Lilac). Grows 10 to 12 feet high. Late blooming reddish purple flower. Delicately formed leaves. Each, 75c.

LILAC, Villosa. Dwarf, broad leaved, blooms pinkish. Each, 75c.

LILAC, Belle de Nancy (French). Large, double flowers of deep pink. Each, 75c.

MOCK ORANGE (Aureus). Bright golden yellow foliage. Grows 3 ft. high. Each, \$1.00.

MOCK ORANGE (Coronarius). Orange scented, creamy white flowers in May and June. It is a strong growing shrub and like all Mock Orange is one of the best shrubs for situations which are partially shaded though preferring sun. Grows 7 feet tall. Each, 50c.

MOCK ORANGE (Mont Blanc). A new variety bearing large fragrant flowers. A good shrub for house foundation planting. Grows 4 feet high. Each, 60c.

MOCK ORANGE (Virginal). A magnificent new variety. Large, fragrant, pure white flowers bloom over a very long period. Grows 4 to 5 feet high. Each, 60c.

PURPLE LEAF PLUM (Newport). A beautiful dark purple leaved variety of plum carrying its rich color throughout the season. Grown principally for its ornamental value. Valuable in group planting where variation in color is desired. Each, \$1.00.

How To Plant Shrubs

Do not expose roots to air or light more than necessary. If roots are dry they should be soaked in water several hours before planting. Keep roots covered until you are ready to plant. Remove all covering before placing roots in the ground.

Prune shrubs back at least one-third before planting as shown by dotted line in accompanying diagram. When branches are crowded or may rub against each other it may be necessary to cut out some additional wood as indicated by black lines.

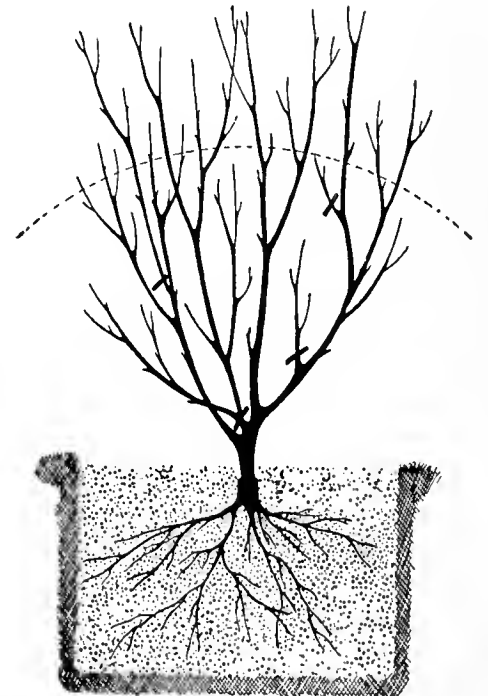
Then dig the hole; larger than the root system of plant.

Place plant in hole, spreading out roots naturally. Fill in hole about two-thirds full of dirt, shaking shrub up and down to settle dirt.

Now fill the hole with water, (this is important) and allow to settle, after which fill in the rest of the soil to surface level.

A liberal handful or two of bone-meal as a top dressing is very helpful. Water thoroughly at intervals during the first season.

Space tall shrubs such as Lilacs 4-6 feet apart, the medium height shrubs, such as Spirea Van Houttei, 3-4 feet apart, and the dwarf plants, such as Barberry, 2-2½ feet apart. Never plant closer than 2 feet to house foundation.

Planted the Right Way
Roots Set NaturallyThe Wrong Way
Too Crowded

SNOWBERRY, RED (Coral Berry). A native shrub that is hardy and easy to grow where other plants fail. Red to purplish red berries in late summer. Stands sun or shade and poor soil. Prune in early spring. Grows 2 to 3 feet high. Each, 50c.

SNOWBERRY, WHITE (*Symphoricarpos racemosus*). A compact, graceful shrub with slender arching branches. The pink flowers are succeeded by large, oval pure white berries in September that persist well into the winter. Stands shade well. 2 to 3 feet high. Each, 50c.

SPIREA, ANTHONY WATERER. Brilliant rosy carmine flowers. Blooms all summer. Always blooms the first season. Makes a fine color combination planted with *Hydrangea arborescens*. Grows 2 feet high. Each, 50c.

SPIREA BILLARDI (Pink Summer Spirea). Pink flowers in terminal spikes during July and August. Grows 5 feet high. Each, 50c.

SPIREA VAN HOUTTEI (Bridal Wreath). A very hardy and effective shrub, with graceful arching branches well covered in late May with a profusion of large pure white flower clusters. The most popular and most planted of all shrubs. Will grow in almost any location. Grows 5 to 6 feet high. 2 to 3-foot size, 35c each; 10 for \$3.15; 3 to 4-foot, 50c each; 10 for \$4.50.

WEIGELIA EVA RATHKE. Large crimson flowers. Blooms throughout the summer



Spirea Van Houttei Make a Beautiful Bush.

and autumn. Needs winter protection. Grows 4 feet high. Each, 75c.

Hedges

Plant living, lasting fences. Walls and fences are generally expensive but a fine green hedge may be had at a small cost and will add much to the coziness of the place in summer and winter.

ALPINE CURRANT. A very dense-growing hedge with fine dark green leaves. Will grow to a height of 3 or 4 feet. The yellow flowers which open in May are very fragrant. Very desirable where the soil is somewhat dry. 12 to 18 in., each, 40c; 10, \$3.60; 100, \$30.00.

BUCKTHORN. Best sheared low hedge, or free growing tall hedge. May be trained from 18 inches up. Very hardy. Each, 35c; 10, \$2.10; 100, \$17.50.

COTONEASTER. When a hedge of medium height is wanted this is one of the best to plant. The leaves are a rich green and very glossy which adds to the beauty of the plant. 12 to 18-in., each, 30c; 10, \$2.40; 100, \$20.00. 18 to 24-in., each, 40c; 10, \$3.60; 100, \$30.00. 2 to 3-foot, each, 60c; 10, \$4.80; 100, \$40.00.

CARAGANA ARBORESCENS (Siberian pea tree). An excellent hedge plant. Especially suited to light soils and sunny locations. The beauty of its foliage makes it desirable for planting in groups or in masses behind other low growing shrubs. Bright green pea-like leaves. Grows 8 to 12 feet high. Each, 40c; 10, \$2.10; 100, \$17.50.

JAPANESE BARBERRY. Best dwarf hedge, attractive and effective. Each, 40c; 10, \$3.00; 100, \$25.00.

LILAC, Common Purple. 18 to 24 inches, each, 30c; 10, \$2.10; 100, \$17.50.

Ornamental and Shade Trees

AMERICAN ELM. A splendid tree for boulevard planting or small yard. Graceful and of upright habit. Grows 80 to 100 feet high. 1½-inch caliper trees, each, \$2.00.

BASSWOOD OR LINDEN. Has large heart-shaped leaves and fragrant white blossoms. 8 to 10-foot trees, each, \$1.50.

CHINESE ELM. This new shade tree is becoming very popular on account of its rapid growth, resistance to disease and ability to thrive in almost any situation. A tree of rare beauty. Grows 75 feet high. 1½-inch caliper, each, \$2.25.

MAPLE, SCHWEDLER'S. A very ornamental shade tree. The foliage is dark red in the spring and gradually turns to green later in the season. 8 to 10-foot trees, each, \$4.00.

MOUNTAIN ASH (European). The combination of foliage and clustered fruits make this a very beautiful lawn tree. Bright red berries, white flowers. Used as specimen on the lawn or as an accent in the border. Grows 30 feet high. 6 to 8-ft. trees, each, \$2.00.

POPLAR, BOLLEANA. A tall, slender tree. Leaves are dark green on the upper surface and white beneath. The bark is silvery gray. Grow 80 feet high. 6 to 8-foot, each, \$1.50.

POPLAR, LOMBARDY. Very similar to the Bolleana except in color of leaf and bark which is green. Grows 100 feet tall. 6 to 8-foot, each, 75c.

Bulbs and Roots

AMARYLLIS. A fine strain in a wide range of beautiful colors. They are easy to grow in the house. Mixed only. Each, 45c.

AURATUM LILY. The gold banded Lily of Japan. Flower heads are large with broad petals gracefully recurved. White, thickly studded crimson maroon with a wide gold band down the center of each petal. Each, 25c and 40c.

BEGONIA. Tuberos rooted. These profusely-flowering pot plants are deservedly popular for garden, flowering all summer. Each, 30c; doz., \$3.00.

BLEEDING HEARTS (*Dielytra*). One of the most delightful of all the early spring flowering plants, bearing numerous rosy-red, heart-shaped flowers in drooping racemes. Grow 2 feet high. Potted plant, each, 50c.

CINNAMON VINE. Well known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will grow 25 to 40 feet in a season. Each, 10c.

ELEGANS LILY. Very hardy, dwarf Lilies thriving in any garden and producing large, erect flowers of various shades of yellow, orange or red. Grow from 1½ to 2 feet high and bloom during June and July. Each, 25c.

GLOXINIAS. Showy flowering bulbs for the window, garden or conservatory. Each, 35c.

ISMENE CALATHINA (Peruvian Daffodil). A grand summer flowering bulb, producing with great freedom large Amaryllis-like, pure-white, fragrant blossoms. Exceptional for cut flowers. Each, 25c; doz., \$2.50.

MADEIRA VINE. The old "Climbing Mignonette." Prized on account of its rapid growth and freedom from insects. Thick, glossy leaves, and long, hanging stems of feathery, fragrant, white flowers. Each, 10c.

OXALIS. They produce an unbroken row of foliage about one foot high in continuous bloom. The colors are white, red or pink. Mixed only. Each, 5c.

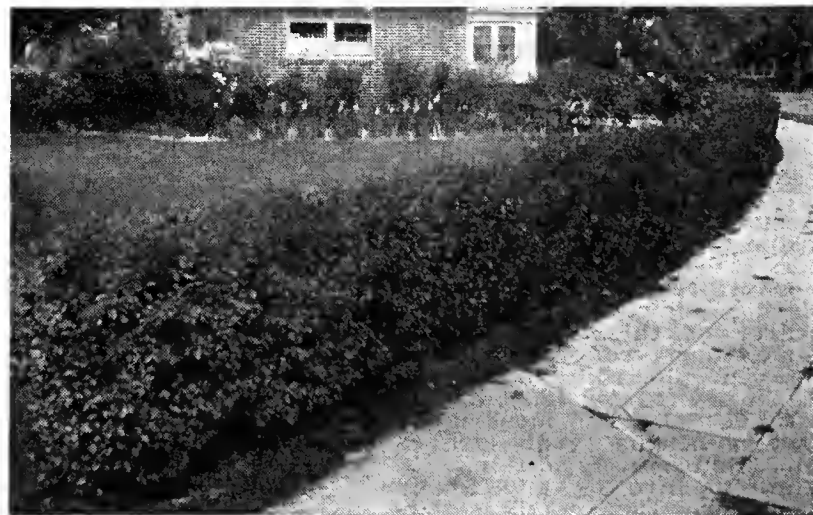
REGAL LILY. This beautiful new species is acknowledged to be the finest of all hardy Lilies. Pure white, shaded pink on outside of petals. Blooms early in July. Each 25c.

RUBRUM LILY. White shaded and spotted with rose and black. Flowers in August. One of the most beautiful of all Lilies. Each, 25c and 40c.

TIGER LILY. The Tiger Lily with its showy spotted red-orange flowers blooms in August. Very easy to grow, thriving in full sun in any soil. Each, 25c.

TIGRIDIA. Pavonia. Mexican bulbs producing showy, large, oddly-shaped blooms of gorgeous beauty, in red, orange, yellow, etc. Grow 18 inches high, flowering all summer long. Handle the same as *Gladiolus*. Each, 15c.

TUBEROSES (Dwarf Double Pearl). Pure white. One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. Plant as soon as the ground becomes warm. Each, 6c; doz., 60c.



Cotoneaster Makes a Beautiful Hedge. Very Hardy.

Clematis

No other climbing plant equals in attractiveness the beautiful flowering Clematis. Plant with crowns 3 inches below surface of soil. Provide good drainage.

JACKMANI. Broad-petaled flowers of violet-purple. The most popular and hardiest of the blue-flowering Clematis. Potted plant, each, \$1.25.

Hardy Climbers

BOSTON OR JAPANESE IVY (*Ampelopsis Veitchei*). The grandest hardy climbing vine for covering houses, churches, schools, etc. Its glossy, ivy leaves make a rapid growth. The tendrils cling firmly to the smoothest surface of rock or brick. Each, 60c.

ENGELMAN'S IVY (*Ampelopsis engelmanni*). There is no better vine where one wishes a clinging vine. This ivy grows very fast and clings to brick, stone or plaster. Perfectly hardy in Minnesota. Each, 50c.

SCARLET TRUMPET HONEYSUCKLE. (*Lonicera sempervirens*). Trumpet-shaped flowers of bright scarlet. Blooms more or less all summer. Each, 50c.

Gooseberry Bushes

COMO (Minn. No. 43.) A vigorous grower, very productive, nearly thornless, perfectly hardy and is disease-resistant. Fruit large and green in color when ripe. Each, 40c; 10 for \$2.25.

PERKINS. The berries are highly productive, very large, measuring one and one-half inches long and one inch wide. The color is light green turning to golden yellow at maturity. The flavor is pleasantly sweet and of best quality. Each, 60c; 3 for \$1.65; 10 for \$4.70.

Raspberry Bushes

CHIEF. This new raspberry was originated at the Minnesota State Fruit Breeding Farm, and has already won fame for its fine quality and earliness. It is 10 days earlier than Latham. On test plots it has out-yielded all others. Dozen, \$1.00; 100, \$3.65; 1,000, \$26.65.

LATHAM (Minn. No. 4). The most popular red raspberry grown in this section of the country. A late large, bright red raspberry of good quality. It is entirely hardy in the Northwest. Doz., \$1.00; 100, \$4.15; 1,000, \$29.50.

Currant Bushes

RED LAKE (Minn. No. 24). This new currant promises to replace all other varieties in the cherry currant, class. Bush is more upright and yields large berries borne on long, well filled bunches. Each, 50c; 10 for \$4.50.

PERFECTION. A very popular variety. Berries uniformly large, clear red in color and good flavor. Large clusters. Recommended as one of the best home garden varieties. Each, 50c; 10 for \$4.50.

Strawberry Plants

Prices subject to plants being available.

DUNLAP. Mid-season. One of the best known and most widely grown strawberries in the north and eastern half of the United States. 25 for 50c; 100, 90c; 1,000, \$5.50.

MASTODON (Everbearing). Grows easily on any soil, producing very large berries of fine flavor, all summer and all fall. The ideal berry for the home garden. 25 for \$1.00; 100, \$2.00; 1,000, \$15.00.

PREMIER. One of the earliest worth while Strawberries, bearing large, bright red, firm berries of fine texture and flavor. 25 for 50c; 100, \$1.25; 1,000, \$6.75.

WAYZATA (Everbearing). A hardy, disease and frost-resistant variety. Starts bearing about August 1st. Fruit equal to the best June berries. 25 for \$1.25; 100 for \$3.75; 1,000 for \$25.00.

Grape Vines

AGAWAM. A large, dark red grape; pulp soft and sweet. Ripens early. Each, 40c; 10 for \$2.25.

BETA. The "standard" hardy grape. The most widely grown and probably the most profitable grape in the Northwest. An excellent juice grape. Ripens early September. Each, 25c; 10 for \$1.75.

CAMPBELL'S EARLY. Hardy, vigorous and profuse bearer of thickly set handsome, large, round grapes of light purple, rich and sweet. Each, 40c; 10 for \$2.25.

CONCORD. The most satisfactory of the tender grapes for Minnesota conditions. A Vigorous grower and heavy producer. Concord is recognized everywhere as a standard variety. Each, 25c; 10 for \$1.75.

MOORE'S EARLY. Similar to Concord in looks and quality, but ripens about two weeks earlier. Vines are hardy and good bearers. Each, 40c; 10 for \$2.25.

NIAGARA. The standard white grape occupying the same position among the white varieties as Concord does among the blue-black. Semi-hardy in Minnesota. Each, 40c; 10 for \$2.25.

ASPARAGUS ROOTS

The easiest way to obtain an asparagus bed is to set out the roots. Do not cut any later than June 20th until the 3rd or 4th year.

In preparing the bed for asparagus roots the soil should be worked up at least 12 inches deep and a very heavy application of well-rotted manure or commercial fertilizer should be given. Make furrows ten inches deep and spread roots 18 inches apart in row and cover with two inches of soil gradually filling as shoots appear until surface is level.

One-year-old. Dozen, 20c; 100, \$1.00; 1,000, \$8.00.

Two-year-old. Dozen, 30c; 100, \$1.50; 1,000, \$10.00.

Postage 10c for first doz.; 5c for each additional doz.

Apple Trees

ANOKA. One of Prof. Hansen's valuable introductions to horticultural trade. Bears when two years old. Produces a large apple of fine flavor which matures earlier than the Duchess. Each, \$1.25; 10 for \$11.00.

BEACON. A new apple developed by the Minnesota Agricultural University. A deep red apple of good size and quality that ripens early. Each, \$1.25; 10 for \$11.00.

DELICIOUS. A very high quality apple suitable for southern Minnesota. Each, \$1.00; 10 for \$9.00.

DUCHESS. Season, July and August. A vigorous growing, hardy tree. Fruit is large greenish yellow striped with red. The standard early apple for the Northwest. Each, \$1.00; 10 for \$9.00.

ERICKSON. Season, early. Fruit large and bright red in color. Especially recommended for northern sections of Minnesota or Wisconsin. Each, \$1.00; 10 for \$9.00.

HARALSON. Season, January to April. Has been aptly called the Northwest's best winter apple. Tree vigorous and very productive, resistant to fire blight. Each, \$1.00; 10 for \$9.00.

McINTOSH. Season, October to January. One of the finest apples grown. Because of its brilliant deep red color, delicious flavor, crisp, snow-white flesh and distinct pleasant aroma many people prefer it to all other varieties. Each, \$1.00; 10 for \$9.00.

NORTHWEST GREENING. Season, November to June. A high quality, long keeping Greening. Fruit may be kept in ordinary storage as long as any other variety. Splendid for cooking. Not as hardy as Patten's Greening. Each, \$1.00; 10 for \$9.00.

PEERLESS. A fall apple of medium size, yellowish green color with splashes of carmine. Flesh, yellowish white. Each, \$1.00; 10 for \$9.00.

WEALTHY. Season, September to January. One of the best market and home orchard varieties for Minnesota. Fruit medium to large, beautiful red in color and good flavor. A high class eating apple for the Northwest. Each, \$1.00; 10 for \$9.00.

Hardy Cherry Trees

COMPASS. An especially fine cherry for preserving. Fruit is a bright red, juicy, tart flavor. Hardy in the Northwest. Each, 75c; 10 for \$7.00.

NICOLLET. One of the latest productions of the Minnesota State Fruit Breeding Farm. The fruit is almost a true cherry. When canned one cannot detect the difference from canned cherries. Each, 75c; 10 for \$7.00.

ZUMBRA. Late mid-season. A hybrid containing the blood of the sweet cherry, wildpin cherry and sand cherry. Quality good but should be thoroughly ripe before picking. Each, 75c; 10 for \$7.00.

Zumbra and Nicollet Cherries should be planted near each other for most satisfactory pollination.

Crab Apple Trees

DOLGO. Another of Prof. Hansen's horticultural wonders. It is absolutely hardy and very prolific. Producing an abundance of small red crabs, which makes a perfect jell even when fully ripe. The trees are free from blight and make a beautiful ornamental tree with a mass of red fruit. Dolgo is called the perfect crab. 5 to 6 ft., each, \$1.25; 10 for \$11.00.

FLORENCE. The best general purpose crab. Good for canning, pickles and jelly. Each, \$1.00; 10 for \$9.00.

VIRGINIA. Very hardy and a vigorous grower, does not blight, fruit fully as good as Transcendent for pickling or jelly. A prolific, annual bearer. Each, \$1.00; 10 for \$9.00.

WHITNEY. One of the finest crabs for eating purposes. Good color. Crisp flesh and pleasing flavor. Each, \$1.00; 10 for \$9.00.

Plum Trees

EMBER. An outstanding large late plum. Does not shake off of tree easily and is a good keeper. The color is a beautiful yellow blotched with red. Each, \$1.25; 10 for \$11.00.

MONITOR. Late mid-season. The best of the late mid-season plums. It produces a large beautifully formed tree of upright spreading growth, is very vigorous and hardy. Fruit large, red, firm fleshed and of excellent quality. Each, 75c; 10 for \$7.00.

RED WING. Mid-season. One of the largest of the new plums. It is outstanding because of its unusually large, fine appearing, deep bright red fruits of high quality. Hardy in all parts of Minnesota and trees have fruited as far north as Winnipeg. No home or commercial planting is complete without Red Wing. Each, 75c; 10 for \$7.00.

TONKA. A very productive variety bearing large, round, red fruit of firm flesh and good quality. Each, 75c; 10 for \$7.00.

UNDERWOOD. Is probably the one best variety of the new Minnesota plums for general growing, both in the home orchard and commercial planting. The fruit is large, of an attractive red color, with a firm, juicy, golden, yellow flesh. Season, late July and early August. Each, 75c; 10 for \$7.00.

WANETA. Prof. Hansen's best plum. Very large, dark red overlaid with blue. Fruit of splendid flavor. Hardy and a heavy bearer. Each, 75c; 10 for \$7.00.





Alfalfa Will Give More Hay Tonnage Than Any Other Grass Crop

FIELD SEED PRICES

Owing to the uncertainty of prices at the time of printing this catalogue, no prices are quoted on Field Seeds in this book but will be given on Special Field Seed Price Lists issued during the season.

See Yellow List enclosed with Catalogue.



1938 Price Reductions
AGAIN MARKS LOWEST
PRICE in NITRAGIN HISTORY

Only 50¢
Fresh Each Year—High Count

Per 1 BU. SIZE
ALFALFA and CLOVER



EST. in
1898
39 Years
of Service

BUILD UP YOUR SOIL

Inoculate Your Legumes with NITRAGIN

Make the most of your seed, soil and labor. Don't let legumes rob your soil—be sure they are soil builders.

Remember legumes NOT Inoculated are "SOIL ROBBERS" but legumes WELL Inoculated are "SOIL BUILDERS." Play safe!

INOCULATE WITH NITRAGIN

Nitragin is an approved, moist soil culture—tested and guaranteed—easy to apply—packed with Billions of fresh bacteria—the cheapest legume crop insurance money can buy. Direction on every can.

With New Low Prices in 1938, you can afford to inoculate all your legumes with Nitragin

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS		LESPEDEZA Unhulled or Hulled	
Size	Price	Size	Price
1/2 bu. ea.	\$.30	1 bu. ea.	\$.30
1 bu. ea.	.50	2 bu. ea.	.50
2 1/2 bu. ea.	1.00	5 bu. ea.	1.00
VETCH, AUSTRIAN PEAS CANADIAN PEAS, BEANS		PEANUTS, SOY BEANS, COW PEAS, LIMA BEANS	
1/2 bu. ea.	\$.25	1 bu. ea.	\$.30
1 bu. ea.	.40	2 bu. ea.	.50
*1 1/2 bu. (100lb size) ea.	.60	5 bu. ea.	1.00
5 bu. ea.	1.70	10 bu. ea.	1.60
*12 1/2 bu. ea.	4.00	*25 bu. ea.	3.00
*"100 lb." size and 12 1/2 bu. size packed only for Vetch and Peas		*25 bu. size packed only for Soy Beans, Cow Peas, Peanuts	

NITRAGIN GARDEN SIZE for Garden Peas, Beans, Sweet Peas, Lima Beans and Lupines.
Retail Price.....10c each.

NITRAGIN—Oldest and Most Widely Used Inoculator in America

ALFALFA

Selection of Alfalfa Seed Is Most Important

Poor seed is a primary and great cause of a poor stand. In buying Alfalfa Seed the highest priced seed is often the cheapest. The loss is much greater in using seed of poor quality, than the difference in cost of the seed. This loss comes from the labor thrown away, the stands lost and yields sacrificed by its use, as well as the final expense in getting rid of the weed seeds introduced.

Inoculation is necessary. Inoculation means putting or planting in the soil, nitrogen-fixing germs or bacteria without which the Alfalfa cannot flourish. Where Sweet Clover grows wild, in the field or along the roadside, artificial inoculation for Alfalfa may not be necessary as the same bacteria grows on the Sweet Clover as on Alfalfa and natural inoculation takes place. But there is no other plant which commonly grows wild in the North that can support the same bacteria as the Alfalfa.

Gould's Reliable Grimm Alfalfa

Grimm is undoubtedly the variety best adapted to our Northwestern climate. Grimm Alfalfa has the hardiness to withstand our northern winters, and is recommended by leading authorities and experiment stations as being the one to plant. We know of Grimm Alfalfa fields that have been seeded ten and fifteen years ago that are still producing three good crops each year. Although the cost of the seed is generally much higher than that of ordinary Alfalfa, we consider it the cheapest in the end. See our Special Field Seed price list for prices.

Minn. Variegated Alfalfa

This Alfalfa, which is grown in Minnesota, is a very fine strain of Alfalfa and can be grown with absolute certainty of its being hardy and sure to produce an abundant crop the second year from planting. Prices are listed on Special Yellow price list.

CLOVER SEED

Medium Red Clover

This is the recognized standard of the clover family. It produces two crops each year. The first is generally harvested for hay when in full bloom. The second crop may be harvested for seed, cut for hay, or plowed under for fertilizer. Refer to Special list for prices.

Alsike or Swedish Clover

One of the hardiest varieties known. It is perennial and does not winterkill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is fine stemmed and leafy and quickly cured. It makes a very profitable seed crop in many sections of the Northwest. See Special price list for prices.

Mammoth Red Clover

This variety is grown mostly for pasture and for soil-ing. It is a very vigorous grower, but is not desirable for hay unless cut when quite young. Prices quoted on Special price list.

White or Dutch Clover

A low close growing clover, with round white heads. Very fragrant and desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. It is usually better to sow with other grasses. Does well on most any soil. Prices given on Special list.

Sweet Clover, White Blossom

This variety is the one most generally referred to when sweet clover is mentioned. It makes the most abundant growth of any of the clovers. Because of its dense growth and enormous root system, it is a very valuable soil improving crop. While it is a biennial and normally only grows for two years it will generally reseed itself if allowed to grow to maturity. Ohio Extension Bulletin No. 55 says that an acre of sweet clover will add as much nitrogen to the soil as 20 tons of manure. See Special Field Seed price list for prices.

Sweet Clover, Yellow Blossom

This variety grows finer and more spreading than the white and is not so tall. It matures more quickly than the White Blossom and for a second season the hay crop is probably preferable to White Sweet Clover because of its finer stems. Refer to Yellow price list for prices.

REED CANARY GRASS

An excellent, hardy, perennial grass especially adapted to low lands where other grasses will not thrive. Will produce two crops a year after the first year. The hay is as good as Timothy and is relished by horses and cattle. Sow 4 to 6 pounds to the acre broadcast or 2 to 3 pounds with drill. See Yellow list for prices.

GRASSES

Kentucky Blue Grass

Will outlive any other grasses for pasture or lawn, but should not be cut or pastured too closely in extremely hot, dry weather. The seed is very slow in germinating, therefore, it is advisable to plant with other varieties of quicker growing habits. Makes a sweet and nutritious pasture for all stock. See **Special list for prices.**

Poa Trivialis

A perennial which grows well in moist and cool locations. Is particularly suited for shady places where it is difficult to get Blue Grass to make a satisfactory turf. Will not do well in dry soil. See **Special list for prices.**

Rye Grass

Is a very quick growing grass and for that reason makes an excellent pasture. It thrives on rich, moist land, where from three to four cuttings may be made in a season. Grows very quickly and will stand close pasture. See **Special Field Seed price list for prices.**

Red Top

As a hay crop Red Top is next to Timothy in importance. It will do the best on rather moist soil, but will thrive on most any soil. It is a good variety to sow with Timothy or Clover for meadow or pasture, and is more permanent than either of the other two. **Prices quoted on Special Yellow price list.**

Astoria Bent

This is considered one of the best Bent grasses, due to its deep rooting and underground creeping habits. The Astoria root mat is very dense and creepers develop in the second fall of the planting. For prices, please refer to **Yellow Field Seed price list.**

Seaside Bent

The Seaside is a surface creeper and requires more care than the Astoria through watering and feeding. It develops prolific runners, and like the Astoria weathers the winters excellently. Seaside is a decided Stolonifera Bent. **Prices quoted on Special Yellow list.**

Chewings Fescue

Best seeded alone when used for greens. Produces a mass of fine root leaves, branches being extravaginal and plant spreading to a solid, compact turf. Does well in poor or sandy soils, and in the shade. Chewings Fescue is recommended for putting greens and fairways. See **Special list for prices.**

Meadow Fescue

Especially suited for pasture and is also fine for hay. Succeeds even in poor soil and will endure severe freezing. The hay is very nutritious and cattle thrive on it whether it is dry or green. **Prices quoted on Special Field Seed price list.**

Orchard Grass

Is an early fibrous rooted perennial. Its rapid growth makes it very desirable for pasture. Withstands droughts better than most grasses. Will thrive in the shade such as in orchards and lanes. When closely cropped it grows up quickly, and is ready for grazing again in 10 to 12 days. See **Special list for prices.**

Bromus Inermis

This is a grass that has no equal for hardiness and drought resistance. It will grow in any kind of soil and in any kind of weather. Produces an abundant hay crop, and makes an excellent pasture. Brome Grass thickens up rapidly by underground roots or stems. A thin stand thus improves quickly. It forms a dense sod six to eight inches thick, thus binding the soil together and preventing it from being wind blown. For prices see **Yellow Field Seed price list.**

Timothy

The principal thing to look at when about to sow Timothy, is the quality of the seed. Our reliable seed is tested, and is of superior quality. Ten pounds of good Timothy seed is sufficient for one acre making an inexpensive crop to seed. **Prices given on Special Field Seed price list.**

Timothy and Alsike Mixed

For those who prefer to sow Alsike Clover and Timothy together, we have a mixture that has the right proportions for growing a splendid hay crop. See **Special Field Seed list for prices.**

SORGHUM

As a soiling crop, sorghum will always prove of great value, since at least two crops can be obtained from one sowing. Milch cows are exceptionally fond of sorghum. It is excellent for milk production and a given area furnishes a large quantity of succulent food. Sorghum outyields fodder corn, producing a richer and more nutritious feed of greater value. **Prices given on Special list.**

SUDAN GRASS

Sudan grass belongs to the sorghum family. It is an annual, lacking underground root stalks. Two cuttings can be obtained under favorable conditions, and may yield from 2 to 5 tons of cured hay per acre. It should be seeded about corn planting time. If for hay, sow about 25 to 30 pounds to the acre broadcast. Cut just before it comes to a head. If wanted for silage, sow about 10 pounds to the acre in rows and cultivate the same as corn, or it may be sown with fodder corn if preferred. Sudan, if cultivated, will grow to a height of 8 or 10 feet. See **Special Field Seed price list for latest quotations.**

WHEAT

Marquis Wheat

A hard red spring wheat, beardless with long heads and very stiff straw of medium length. Kernels are short and thick and very plump. Ripens early, ahead of other spring varieties. Outyields nearly all spring wheats. See **Field Seed List for prices.**

Thatcher Wheat

Thatcher is the newest wheat variety introduced by the Minnesota Experiment Station. It is more rust resistant than most other varieties, beardless and is similar to Marquis in appearance, milling and baking qualities. It matures early and is a very heavy yielder. **Please refer to Yellow List for prices.**

Winter Wheat

This is a bearded, white chaffed winter wheat which produces kernels of the well-known Turkey type. **Prices given on Yellow Field Seed price list.**

BARLEY

Velvet Barley

A new introduction from the Minnesota Experiment Station. It is a heavy yielder, has a very stiff straw and is more disease resistant than many other varieties. A smooth awned six rowed variety which in comparative test has been consistently a heavy yielder as compared with other varieties. See **Special price list for prices.**

Manshury

Is early and very vigorous in growth. It has a strong, stiff straw which very seldom lodges. The heads are long and well filled with grain of fine quality and color. It yields abundantly. For prices see our **Yellow price list.**

Wisconsin No. 38 (Barbless)

A new heavy yielding barley that is noted for its resistance to disease, stiffness of straw and the ability to withstand the extreme heat of summer better than most other varieties. One of the finest for malting. See **Special list for prices.**

OATS

CULTURE. Sow oats at the rate of 2 to 2½ bushels to the acre, very early in the spring on a well prepared field with a modern grain drill. Deep seeding on heavy clay soil is often fatal to the crop. Two inches is deep enough on a fine, compact seed bed.

Gopher Oats

Gopher is a white, early maturing, stiff strawed variety especially adapted for southern Minnesota conditions. It has shown remarkable yielding ability in central Minnesota and is a good yielder on peat land. Gopher is an extra early variety usually maturing before the hot weather and rust have a chance to affect it seriously. Its extreme earliness, resistance to lodging and rust and fine quality make it one of the most desirable oats for this section. See **Special list for prices.**

Gould's Selected Swedish Oats

These oats we do not hesitate to place among the best for our northern climate. It is a heavy yielder of large, plump, white kernels. The straw grows quite tall, and does well on medium or light soil. Its habit of growth is so vigorous that on heavy soil it is likely to lodge. See **Yellow Field Seed list for prices.**

Sixty-Day Oats

Is recognized as being the quickest maturing oats on the market. It is a good yielder and a sure cropper, being very often sown after other crops have failed. It is a small yellowish oat that weighs about 34 pounds to the bushel; the hull is very thin. It is so early that it may be harvested with barley, and is three weeks ahead of most other sorts. See **Special price list.**

N. K. & Co.'s Lincoln Oats

Is another oat that has given very splendid results. Owing to its strong stiff straw it very seldom lodges and may be raised with marked success in very rich soil. Refer to **Field Seed list for prices.**

SUNFLOWER

Mammoth Russian

Are especially useful in the poultry run, as the large leaves furnish shade for young chicks, also, the seeds make a good addition to the poultry ration. They are very rich in oil and protein and are splendid to feed during the moult and winter months. They are also valuable for hogs. **Prices given on Yellow price list.**

FIELD PEAS

Are not only profitable as a dry shelled crop, but may also be used for hay, pasture, or soiling with excellent results.

Peas are second only to Clover in their soil enriching properties and can be grown under almost any condition of soil or climate.

Canada Yellow Field Peas

The standard field pea of the Northwest, and needs no description. It is always in demand either as a dry pea for cooking, or for pigeons. **Prices given on Special Field Seed price list.**

Large White Marrowfat

Vines grow 4 to 5 feet high bearing long, round pods with 5 to 7 large round peas. Yields abundantly. **See Special price list for latest quotations.**

Inoculate peas and beans with Nitrugin before planting. **See page 45 for prices.**

SOY BEANS

Soy Beans are one of the most valuable crops one can raise. As a hay crop, Soy Beans are higher in protein content than clover and equal to alfalfa hay. Are excellent for silage grown with corn.

Do not plant too early; about corn planting time or later. Inoculate seed with Nitrugin before planting. Cover seed lightly. Sow 30 to 45 pounds per acre in drills or broadcast 60 to 90 pounds. Make rows about 30 inches apart to allow for cultivation.

Manchu

This popular variety is especially recommended for the Northwest for hay, dry beans, as well as planting with corn for silage. Beans are yellow of medium size and mature medium early. Yields of beans will average around 25 bushels to the acre. **See special Yellow list for prices.**

Illini

A newer variety of Soy Beans developed by the Illinois Exp. Sta. that is becoming as popular as Manchu. Matures a little earlier than Manchu and also gives a better yield of both hay and beans. Beans are yellow and slightly smaller and rounder than Manchu. **Prices given on Special Yellow Price List.**

FLAX

Flax can be sown only about once in six or seven years on the same ground. It is a splendid crop to grow on new breaking, for it not only produces a good paying crop but it also helps to prepare the soil for future crops, leaving ground in a nice mellow condition. Before sowing, it is especially important to have the ground well firmed. Sow 25 to 30 pounds to the acre, as early as possible and yet avoid the last killing spring frost.

Bison Flax

One of the new wilt-resistant varieties which has given very good results. Was developed at the Minnesota Experimental Station. **Prices given on Yellow list.**

Common Flax

Is used to a great extent on entirely new soil with very good results. We take special care of securing seed that is entirely free from fowl seeds. **See Field Seed list for prices.**

RYE

Spring Rye

Makes an excellent crop for sowing where winter grain has been killed off or for soiling. It can also be grown for a grain crop by being seeded early in the spring and harvested in the same season, like wheat or oats. Does not grow quite so large a straw as winter rye, but usually yields well. Sow about 1½ bushels to the acre. **Latest prices are given on Special Field Seed list.**

Rosen Rye

Has proven itself to be so far superior to any other winter rye, that we would consider it a waste of space to list any other variety. It is a heavy yielder with a nice large kernel. The straw is big and strong and will stand the weather better than any other variety. **Refer to Yellow list for prices.**

MILLET

Millet is grown almost exclusively in these northern states for hay only, and we find that southern grown millet seed will produce a much heavier crop of finer hay than that grown from northern seed. We therefore offer only true southern grown seed in our millets.

German Millet

This variety is the most in demand of all millets. It should be cut when in full bloom, at which time it is most tender and sweet. Grows to a height of four to five feet. Sow about 35 pounds to the acre. **See Special list for prices.**

Hungarian Millet

Is favored by some on account of its rapid growth, maturing about a week or ten days earlier than German Millet. Makes excellent hay, growing from two to four feet high. **Prices listed on Field Seed price list.**

Japanese Millet

This is entirely distinct from any other millet. It grows from five to nine feet in height, and produces enormous crops of fine hay. If sown broadcast, sow fifteen to twenty pounds to the acre; in drills at the rate of ten pounds per acre. It does best on low, moist ground. **Refer to Yellow list for prices.**

Siberian Millet

Earlier than either German Millet or Hungarian. Very valuable for the North and yields remarkably. It is extremely hardy, and drought resistant. Excellent for hay and is not subject to rust. **For prices see Special price list.**

FIELD CORN

Seed Corn is without a doubt the most particular seed crop to be handled of any farm seeds. And it is very important that it receive the care and attention that it should have. Should a man take a chance on planting inferior seed corn and be obliged to replant a second time, his labor would be worth more than the original cost of reliable seed corn.

Gould's Reliable Yellow Dent

Is considered to be the best and the safest corn to insure a good well-matured crop. Gould's reliable Yellow Dent is an improved strain of Minnesota No. 13, having been selected for several years before it was offered for sale, with the result that it is larger and earlier than the Minnesota No. 13. **Prices are given on Special list.**

Minnesota No. 13

Is so well known that it is unnecessary to devote any space to its description. It is the standard Yellow Dent for Minnesota, produces a nice uniform ear of fairly good size and maturing about Sept. 1st. **See Special Field Seed list for prices.**

Yellow Flint

It's a very early 8-rowed Yellow Flint. The stalks grow about 7 ft. high with ears about 11 inches long. This corn is adapted to the Northwest, and is a very heavy yielder. **Prices are given on Special Yellow price list.**

Gould's Reliable Red Cob Fodder

Is a tall growing southern corn that will produce an abundance of feed per acre. The kernel is white and grows on a red cob, thus deriving its name. **Prices given on Special Field Seed price list.**

N. K. & Co.'s Elephant Fodder

Of the yellow Dent type, but grows taller and more leafy than the average Yellow Dent corn, therefore producing a very heavy yield. **See Yellow price list for prices.**

RAPE

Dwarf Essex

Rape is one of the surest crops for late pasturing. Is relished by hogs, sheep and cattle. It may be sown as late as July 1st, and produce a very fine fall pasture. **Prices given on Special Field Seed price list.**

SPELTZ

While not quite equal to oats, it makes a fair horse feed. It yields more than wheat or barley and even the straw if cut slightly green has a good amount of feeding value. **Prices are given on Special Field Seed price list.**

BUCKWHEAT

Buckwheat can be sown as late as July and still produce a crop, or it may also be plowed under for soiling. Sow ½ to 1 bushel per acre, as late as possible, and still have crop well developed before severe frosts occur. Light, well-drained soils are best for this crop.

Japanese

Will produce a larger growth and will stand dry weather better than any other variety. The kernel is large, dark brown and matures very early. **Refer to Field Seed price list for prices.**

INSECTICIDES and FUNGICIDES

Prices Subject to Change—See Special List for Quantity Prices

Insecticides and Fungicides are now available, unless otherwise stated in this catalog.

Acme All Round Spray

A spray containing Nicotine Sulphate, Arsenate of Lead and Bordeaux Mixture, being a combination of stomach poison, contact insecticide and fungicide; a complete spray for flowers, vines, shrubs, roses, and vegetables. Price: ¼ lb., 35c; 1 lb., 80c.

Acme Ant-Kill

Rid your home and premises of the embarrassing and health-injuring ant nuisance. Kill the ants in the nest. Price: Cottage Set—3-oz. syrup, 5 cups, each, 60c; 3-oz. bottles, each, 25c; 2-oz. bottles, each, 20c; ½ pint, 50c; pint, 75c; service cups, each, 10c; 3 for 25c.

Acme Aphis Spray

An improved nicotine spray combining a soft fish oil soap with Black Leaf 40, suitable for the control of all kinds of aphis (plant lice), thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes and trees. Mixes easily with any kind of water. Price: 3-oz. tube, 35c; 12-oz., 95c.

Acme Bait-M

An effective insecticide bait which will throw a ring of protection around shrubs, flowers and plants in garden and lawn. For use against snails, slugs, cutworms, earwigs, sow bugs, grasshoppers and many other insects which migrate along the ground. Price: 1½ lb., 35c; 4 lbs., 85c; 15 lbs., \$2.75.



Acme Dawg-Gone

Not necessary to place tube in every tree unless standing alone. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year winter or summer. Tube—25c, 4 for 95c.

Acme Emo

An oil emulsion insecticide for garden and nursery use. Combats mealy bugs, white flies, scale, red spider, cyclamen mites, etc. 8 oz., 30c; 1 pt., 50c; 1 qt., 70c; 1 gal., \$1.95.

Acme Emo-Nix

A refined oil emulsion insecticide containing nicotine. Kills aphis, red spider, thrips, white flies, mealy bugs, scale, leaf hoppers, etc. 4½ oz., 35c; 1 pt., 65c; 1 qt., 95c; 1 gal. \$2.50.

Acme Kopper King (Basic Copper Sulphate)

An efficient fungicide that can be used as a dust or spray. 1 lb., 35c; 4 lbs., 90c.

Acme London Purple

A favorite for 50 years. Now stronger and better than ever, assuring complete coverage and greatest adhesion to foliage. For use on potatoes, tobacco, sugar beets and many other shrubs and vegetables affected by leaf chewing insects. Price: ¼ lb., 14c; 1 lb., 29c; 4 lbs., 45c.

Acme Red River Potato Mix

An insecticide and fungicide that kills potato bugs, controls blight, leaf hopper, flea beetle, also stimulates foliage. 100% kill of Potato Bugs in 24 hours is reported by users. 1 lb., 30c; 4 lbs., 80c.

Acme Rotenone Garden Guard

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss. For use on cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds. Price: 1-lb. sifter carton, 35c; 4 lbs., 75c.

Acme Spray Soap

A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Its use with Nicotine greatly increases the value of that spray. Price: 1 lb., 30c; 5 lbs., \$1.25.

Acme 2-Way Spray

A combination of Arsenate of Lead and Bordeaux Mixture in powdered form. Controls chewing insects and combats blight. ½ lb., 15c; 1 lb., 25c; 4 lbs., 65c.

Acme Weed Killer

For killing weeds and all vegetation on driveways, tennis courts, etc. 1 pt., 30c; 1 qt., 50c; 1 gal., \$1.50.

Acme Wettable Dusting Sulphur

Keep your roses free from mildew, black spot, leaf spot and other hideous fungous diseases. Dusting Sulphur is a tonic for roses, chrysanthemums, phlox, delphiniums, sweet peas, lilacs, snapdragons and carnations. Price: 2-lb. sifter carton, each, 25c.

Adco Weed Killer

A powder that eradicates weeds and does not injure the lawn. One pound covers 100 square feet. 3 lbs., \$1.00; 25 lbs., \$4.50.

Ansul Dust

A seed and soil treating compound which controls seed-borne diseases and when applied to the soil, controls damping-off of seedlings of almost all types of vegetables and flowers. 1-lb., 75c; 5-lb., \$2.00; 25 lbs., \$5.50.

Antrol

Quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special syrup. Prices: Antrol sets containing 4 containers and 1, 4-oz. bottle syrup, 75c; ready-filled sets, 40c; Antrol extra containers (each), 10c; Antrol syrup, 4-oz., 35c; pints, 85c.

Arsenate of Lead

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray. Price: ½ lb., 20c; 1 lb., 35c; 4 lbs., 80c.

Atlacide

The improved non-poisonous weed killer. Kills quack grass, poison ivy and all other undesirable vegetation. 3½ lbs., \$1.50; 15 lbs., \$3.00; 50 lbs., \$6.25; 100 lbs., \$11.50; 200 lbs., \$22.00.

Auxilin

A substance that induces roots to grow quickly on cuttings or "slips." A new scientific discovery that works like magic. ¼ oz. bottle will treat up to 600 cuttings. Full directions with each order. ¼ oz., 50c; ½ oz., \$1.00; 3½ oz., \$6.00. Add 10c for mailing.

Black Flag

An effective spray repellent for flies and mosquitoes; also destroying roaches, waterbugs and ants. **Liquid**, ½ pt., 30c; 1 pt., 50c; 1 qt., 75c. **Powder**, small size, 15c; medium size, 40c; large size, 75c; 1 lb., \$1.75.

Black Leaf 40

This is a 40% solution of Nicotine Sulphate, very highly recommended by experiment stations and by spraying experts throughout the United States and Canada. Very valuable for the control of plant lice and other sucking insects. It kills by coming in contact with the body of the insect. Use ½ pint to 50 gallons of water or 1 level teaspoonful to 1 gallon of water. 1 oz., 35c; 5 ozs., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$10.60.

Bordeaux Mixture

Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture. Price: 1 lb., 30c; 4 lbs., 65c.

Calcium Arsenate

The cheapest arsenical insecticide on the market but of great economy and efficiency for certain purposes. The accepted dust for boll weevil poisoning on cotton; also recommended to combat chewing insects on potatoes, vegetables, etc. Price: 1 lb., 25c; 4 lbs., 45c.

Copper Sulphate

Also known as Blue Vitriol and Blue Stone. Is used for making Bordeaux Mixture by dissolving 4 pounds Blue Stone and 4 pounds Hydrate or Stone Lime in 50 gallons of water. This will make a 4-4-50 Bordeaux. By using 5 lbs. Blue Stone and 5 lbs. lime one can make a 5-5-50 Bordeaux. 1 lb., 20c; 5 lbs., 75c; 25 lbs., \$2.50.

Corrosive Sublimate

Very effective against seed-borne diseases of potatoes, cabbage, cucumbers, etc., also for the control of root maggot in cabbage, cauliflower, radish and other allied crops. The usual formula is 1 to 1,000 or 1 ounce Corrosive Sublimate to 8 gallons of water. Please ask for price.

Cyanogas Ant Killer

Ants die instantly when you drop a little Cyanogas Ant-Killer into the entrance to the nest. 4 oz., 30c.

Cyanogas (Calcium Cyanide)

Cyanogas G. Fumigant. Insects which do not yield to stomach poisons as a rule can be controlled by fumigation and Cyanogas G is a standard for greenhouse fumigation. Ease of application, high efficiency and low cost have gained for Cyanogas G. Fumigant the endorsement of leading growers all over the world. 5 lbs., \$3.00.

Cyanogas A. Dust. For ants, moles, rats, gophers. Grade "A" Cyanogas is recommended because of its ease of application and high efficiency. Highly recommended for rat control. 4 ozs., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00.

Cuprocide (Red Copper Sulphate)

A powder for treating seeds against damping off and other fungus diseases. 4 ozs., 35c; 1 lb., 90c; 5 lbs., \$4.00.

Dendrol

An improved miscible oil for Dormant and Delayed Dormant spraying of Fruit and Shade trees and shrubbery. Also used for onion maggot control with Bordeaux and Nicotine Sulphate. We have an interesting booklet on Dendrol and its uses. 1 qt., 75c; 1 gal., \$1.25; 5 gal., \$4.10.

**Dogzoff**

Protects your evergreens, trees, plants, birds, lawns from dogs, cats, moles, mice, rabbits, etc. There is nothing offensive to humans about Dogzoff. Price, 60c.

Dutox

Can be used as a spray or dust for the control of the potato beetle, cucumber beetle, bean beetle, etc. 1 lb., 30c; 6 lbs., \$1.25.

New EVERGREEN Spray

New Evergreen Spray contains soap but is so condensed as to carry a minimum of water—less than 12%. It is 20% stronger in active principle and holds its strength for years. New Evergreen Spray is ideal for the home garden as well as for commercial growers since it controls both chewing and sucking insects, and where applied regularly, costs less than other sprays for the result secured. 1 oz., 35c; 6 ozs., \$1.00; 16 ozs., \$2.00; 1 gal., \$11.00.

**Formaldehyde**

Recommended for protection against seed-borne diseases. One pint in 30 gallons of water will prevent potato scab if tubers are soaked for two hours and planted in clean soil. One pint in 45 gallons of water will prevent oats smut and stinking smut of wheat. For onion smut use one pint of formaldehyde to 16 gallons of water. 1 lb., 30c; ½ gal., \$1.15; 1 gal., \$2.25. Ask for price on larger quantities.

Fungtrogen

Controls mildew, black spots and other fungous diseases on roses and other plants; also stimulates vigorous plant growth. ½ pt., 75c; 1 pt., \$1.25; 1 qt., \$2.00; ½ gal., \$3.50.

Gould's Tobacco Dust

Gould's Tobacco Dust may be used in the seed bed to prevent maggots. Especially valuable against root lice on asters and other plants. 1 lb., 20c; 3 lbs., 50c; 5 lbs., 75c; 10 lbs., \$1.25.

Grape Dust

A powder preparation which is very effective in destroying blights. Especially recommended for mildew on roses and grape vines. Preferable applied with duster. 1 lb., 35c; 5 lbs., \$1.00.

H. W. K. Weed Killer

Destroys weeds, poison ivy and all vegetation on roadways, paths and tennis courts. Dilute with 40 parts water and apply with sprinkling can. Qt., 50c; gal., \$1.50; 5 gal., \$6.25.

Kayso

A combined casein spreader and adhesive. Recommended by Agric. Exp. Sta. as the ideal spreader and sticker to use with your spray material. 2 lbs., 50c.

Liquid Soap Spreader

Recommended to be used with Evergreen 20. 1 gal., \$1.25.

Lime Sulfur Powder

A standard 33° Beume lime and sulphur converted into a dry powder but having all the effectiveness of the liquid product when dissolved in water. For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite. Price: 1 lb., 35c; 5 lbs., \$1.45; 25 lbs., \$4.00.

Lime-Sulphur, Concentrated Solution

Convenient to use, free from sediment, requires no preparation other than stirring into water. One of the best remedies for San Jose scale. 5 gal., \$3.75. Barrel price on application.

Mercuriol

A simple, effective and economical seed treatment for potatoes. It eliminates danger of planting seed potatoes infected with scab, blackleg and Rhizoctonia. 1 pt., 70c; 1 qt., \$1.25; 1 gal., \$4.25.

Napthalene Flakes

For thrip on gladioli bulbs. Apply 1 ounce to 100 bulbs in a tight box or receptacle. Also dust bulbs at planting time. ¼ lb., 10c; 1 lb., 20c; 5 lbs., 75c.

Nico Fume Liquid

A highly refined solution of free nicotine for greenhouse fumigation. 1 lb., \$2.25; 4 lbs., \$5.75; 8 lbs., \$10.00.

Nico Fume Paper

For fumigating greenhouses, conservatories, etc. This paper deteriorates with age, so to be sure of giving you fresh stock we have your order sent direct from the factory. 24 sheets, \$1.25 postpaid; 144 sheets, \$4.50 postpaid; 288 sheets, \$8.00 postpaid.

Nico Fume Tobacco Powder

A greenhouse fumigant, effective for destroying aphids, thrips, etc. Is now put up in new one pound and half pound sizes called Pressure Fumigator, at the following prices: 1 lb., 75c; six 1 lbs., \$3.75; twelve 1 lbs., \$7.00; ½ lb., 45c; six ½ lbs., \$2.40; twelve ½ lbs., \$4.20.

No-Crow

Is used to prevent crows, blackbirds, gophers and other rodents from pulling and eating seed corn after planting. ½ pt., 60c.

Paris Green

A rich, emerald color and of fine fluffy physical character. Containing 55% arsenious oxide, it will give quickest control where extreme measures are necessary. For use on potatoes, cotton, tobacco, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary. Price: ¼ lb., 18c; 1 lb., 50c; 5 lbs., \$2.25; 14 lbs., \$5.00.

P. D. Spray

The best spray for the box elder beetle. An excellent spray against mosquitoes, spiders, flies, moths, fleas, gnats, ants, bedbugs, roaches. ½ pt., 25c; 1 pt., 45c; 1 qt., 75c; 1 gal., \$2.50.

Pomo-Green (With Nicotine)

A leaf-green sulphur dust which is used to control fungous diseases, sucking and leaf insects on roses, flowering plants and shrubs. An inconspicuous and highly effective dust. 1 lb., 75c.

Red Arrow Garden Spray

Non-poisonous pyrethrum spray containing soap. Kills many varieties of both chewing and sucking insects. 1 oz., 35c; 4 ozs., \$1.00; pt., \$2.50; qt., \$4.00.

Rodent Repellent

Protects fruit trees and shrubbery from rabbits, mice and other rodents. It will remain effective throughout the winter. Does not injure any tree or shrub. Qt., 85c; 1 gal., \$2.75.

Rotecide

Both a contact and stomach poison. Kills mealy bug, beetles, thrips, aphids, etc. 1 oz., 35c; 8 ozs., \$1.00; 1 pt., \$1.75.

Selocide

A red spider spray for the commercial grower. 1 qt., \$1.00; 1 gal., \$2.75.

Sheps Plant Spray

An improved, non-poisonous spray that kills and controls nearly all garden insects. No soap needed. ½ oz., 10c; 1½ oz., 25c; ½ pt., 75c; 1 pt., \$1.35; 1 qt., \$2.25.

Slug Shot

Very popular insecticide; harmless to humans, or fruits and vegetables treated. Very effective in destroying cabbage and cauliflower worms, potato bugs and beetles green and black fly slugs worms, caterpillars, etc. 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.00.

Seed
DisinfectantsSeed
Disinfectants**Dubay Seed Disinfectants are now mailable**

Semesan—for vegetable and flower seeds. Prices: 2 ozs., 35c; 1 lb., \$2.25; 5 lbs., \$9.90.

Improved Semesan Bel—for seed potatoes. One pound treats 60 to 80 bushels of seed. Prices: 4 ozs., 45c; 1 lb., \$1.50; 5 lbs., \$6.75.

New Improved Semesan Jr.—for field and sweet corn seed. Use two ounces per bushel of seed. Prices: 4 ozs., 30c; 1 lb., 75c; 5 lbs., \$3.25.

New Improved Ceresan—for wheat, oats and barley. One-half ounce treats one bushel of seed. 1 lb., 70c; 5 lbs., \$3.00.

Special Semesan—a grass disinfectant for brown patch. 5 lbs., \$7.00; 25 lbs., \$33.00.

Nu-Green—for the prevention and control of brown patch in lawns, golf courses, etc. 3 ozs., 35c; 1 lb., \$1.45.

Insecticides—Cont'd

Snarol (Kills Cutworms)

Snarol kills cutworms, sowbugs, grasshoppers, slugs, etc. A ready prepared poison that destroys those pests quickly. 1½ lbs., 35c; 4 lbs., 85c; 15 lbs., \$3.00.

Sulphate of Iron (Weed Killer)

Kills dandelions and weeds. Dilute 1 lb. to 1½ gallons of water. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00.



Tanglefoot Fly Spray

Kills flies, moths and household insect pests, such as roaches, ants and bedbugs. It will not stain or injure the most delicate fabrics or furs. ½ pt., 30c; 1 pt., 50c; 1 qt., 85c; 1 gal., \$2.65.

Tanglefoot Stock Spray

Is more than a repellent, it kills flies and all insects its deadly mist reaches. It will not taint the milk and is harmless to humans and animals. 1 gal., \$1.50; 5 gals., \$6.50.

Terogen

For autumn-winter soil treatment. Will give your roses a better start next year. In successful use for twenty years. 1 lb., 75c; 2 lbs., \$1.25.

Terro Ant Kill

One of the oldest and best ant killers, in syrup form. Ants disappear over night. Each, 25c; postpaid 35c.

Terro Roach Killer

Kills roaches and water bugs quickly. 4-oz. can 35c.

Tree Tanglefoot

'Tree Tanglefoot is a sticky compound, easily applied and is the most effective and economical protection for fruit, shade and ornamental trees against all crawling insects. Particularly recommended against canker worm, climbing cutworms, ants, tussock moth, browntail moths and gypsy moths. Full directions on every can. 6 oz., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.65; 25 lbs., \$12.00.

Thrip Juice Spray

Nicotine and whale oil soap combined. More spread, greater kill and longer life for nicotine. Kills all sucking insects, especially aphids, thrip, mealy bug, red spider, etc. ½ pt., 35c; 1 pt., 65c; 1 qt., \$1.25.

Triad

A combination fungicide and contact insecticide for the control of black spot, mildew and insects on roses. 4 oz., 65c; ½ pt., \$1.00.

Tri-ogen

An all-purpose spray—controls black spot and mildew, kills all insects including the sucking and leaf-eating types. Also stimulates plant growth. Price, \$1.50, \$4.00.

"43" for the Tree

Liquid or plastic compounds for use in tree surgery in healing injury or wounds in trees or shrubs. Use Plastic "43" for cavities—Liquid "43" to paint over surface wounds, pruned trees at sawed off limbs, etc. Also to coat around bottoms of trees to aid in preventing rabbits, small animals and insects from attacking the tree.

Plastic. ½ lb., 25c; 1 lb., 45c; 2½ lbs., 75c; 5 lbs., \$1.25; 10 lbs., \$2.00.

Liquid. ½ pt., 25c; 1 pt., 45c; 1 qt., 75c; ½ gal., \$1.25; 1 gal., \$2.00.

Volck

One of the most powerful insecticides known; effective on practically all insects of ornamental and flowering plants. **Garden Volck** is a Volck-Nicotine combination spray to control aphids, thrips, scale, mealy bug, cyclamen mite, leaf hopper, red spider, white fly, lace wing bug, greenhouse orthesia, leaf spot, mildew, rust, squash bug, small caterpillars. 3½ oz., 35c; 1 pt., \$1.00; 1 qt., \$1.50.

Nursery Volck is the high quality Mineral Oil Spray for general nursery, greenhouse and garden use where Volck was formerly used. It is safer and equally effective. ½ pt., 35c; 1 pt., 50c; 1 qt., 75c.

White Hellebore

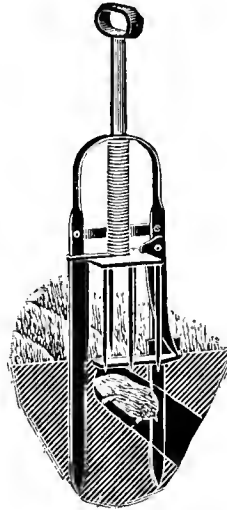
Especially valuable in controlling worms on ripening fruit as it loses its poisonous effect within a few days after application. Hellebore is popular for controlling the Currant worm. ¼ lb., 20c; ½ lb., 35c; 1 lb., 65c.



Gopher Death

A poison in tablet form—easy to use. Kills pocket gophers, ground squirrels, etc. 35c and 75c sizes.

RODENT DESTROYERS



Little Giant

Reddick and Little Giant Mole Traps

No mole can pass under these traps and live. Golf courses, cemeteries, parks, beautiful lawns, gardens and farms are all prey to this past master of the art of excavation.

Reddick Mole Trap.

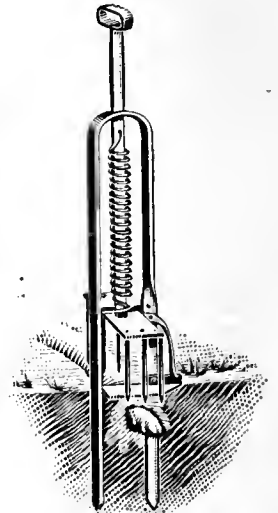
Each, \$1.25.

Little Giant Mole Trap.

Each, \$1.10.

Macabee Gopher Trap

This is the most successful Gopher Trap ever offered. It is simple and easy to set, and a sure catch. Each, 30c; doz., \$3.00.



Reddick

Out O'Sight Mole Trap

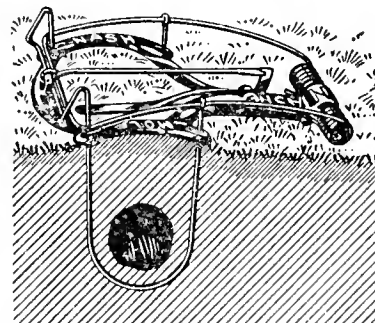
This trap is highly recommended, and we have had some very fine reports from our customers who have used it. Can be used on deep or shallow runways. Price, \$1.25.

Schroeter Mole Trap

The Schroeter Improved Mole Trap is designed particularly for trapping Ground Moles. One of the very best and successful mole traps made today. \$2.00, postpaid.

Automatic Mouse Trap

A wonder trap in ridding any place of mice in a sanitary, quick and effective way. It leaves no tell-tale smell, and fools them all. Price, postpaid, \$2.00.



Sweeney's Poison Wheat

Sure death to rats, mice, moles and gophers. Price, 15c, 30c, and 60c, carton.

Sentinel Red Squill

A few drops on bread left as bait will kill rats, yet will not harm poultry, livestock, dogs, cats, or human beings. Price, 60c and \$1.00.

Nash Choker Loop Mole Trap

Those that have used this trap are enthusiastic about it. Catches moles in all kinds of soil. \$1.50, postpaid.

Nash Choker Mole Trap

Cacheco Gas Balls

Cacheco Gas Balls are a quick, sure, humane method of exterminating squirrels, gophers and other rodents. Cannot injure your stock, horses, dogs or poultry. 5c each; 50c a doz., \$3.75 for carton of 125. Postpaid.

Cyanogas (Calcium Cyanide)

Cyanogas A. Dust. For ants, moles, rats, gophers. Grade "A" Cyanogas is recommended because of its ease of application and high efficiency. Highly recommended for rat control. 4 oz., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00.

Dead Sure Rodent Destroyer

A poison gas cartridge that kills gophers, squirrels, moles, rats or any animal that burrows in the ground. 5c each, 50c a doz., \$5.00 a gross.

Force's Diamond Mole Killer

Wonderful results have been obtained by many of our customers in ridding their places of moles and gophers. You drive a hole with a stick, then into this drop a Killer that does the work effectively without injury to plants or shrubs. Price, 25c, 50c, \$1.00.

Gould's Minnesota Gopher Poison

A pocket gopher poison put up according to the formula recommended by the University of Minnesota. If you are troubled with pocket gophers try this proven remedy. Price, 50c.

K-R-O (Kills Rats Only)

This wonderful exterminator, K-R-O, will rid your premises without endangering your pets, livestock, poultry, etc. Is harmless to animals other than rats and mice. Sold in 75c and \$2.00 sizes. Ready mixed bait, small size. 35c; 22 oz., \$1.00.

Mouse and Rat Seed

A seed treated with a chemical, that due to its peculiar flavor the mice or rats eat in preference to anything else. As soon as they eat the kernel, they go outside for air and water and die. Has been tested and approved by the Good Housekeeping Institute. Mouse Seed, 25c; Rat Seed, 50c.

SPRAYERS

Hudson Perfection

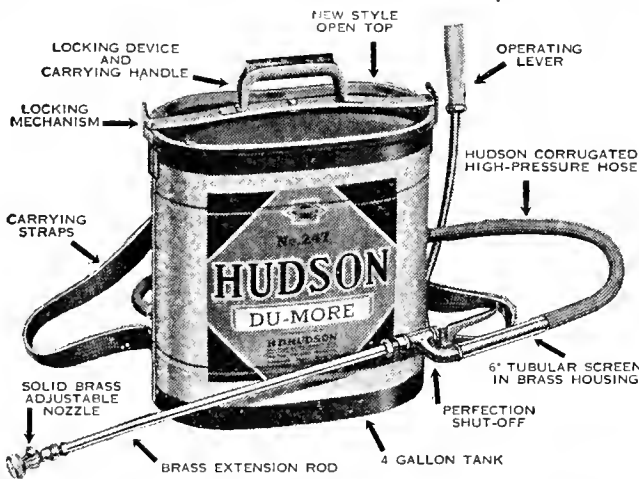
The Perfection is the highest pressure compressed air sprayer made. High pressure is absolutely essential to thorough, protective spraying. Used for spraying small orchards, truck gardens, field and row crops, flowers, shrubbery, shade trees and other foliage. Easily and economically applies whitewash, cold-water paints, shingle stain and wall sizing. Capacity, 4 gallons. Galvanized tank, each, \$6.50. Copper tank, each, \$10.50.



Hudson Junior

The Hudson Junior is similar to the Perfection except capacity which is 2½ gallons. Particularly suited for the backyard garden or small truck farm; for handy use in chicken house, dairy farm, hog pen; for applying disinfectants and insecticides. Galvanized tank, each, \$4.50. Copper tank, each, \$7.35.

Hudson Du-More Sprayer



A continuous high pressure sprayer. Adapted for all truck and field crops, berry bushes, fruit trees, shrubs, flowers, etc. Will handle all insecticides, etc. Capacity, 4 gallons. Price: Galvanized, \$15.00.

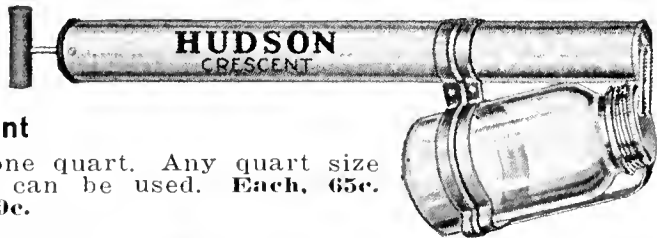
The New Misty

Capacity, one full quart. Price, 40c. Postpaid, 50c. We also have a pint size like the above that is very handy for the small garden. Each, 30c. Postpaid, 35c.



The Crescent

Capacity, one quart. Any quart size mason jar can be used. Each, 65c. Postpaid, 80c.



Skram-Bug Sprayer

A no-drip, continuous sprayer that needs no adjustments and always gives proper atomization. Prices: ½ pt., 35c; ¾ pt., 50c; 1 pt., 65c; 1 qt., \$1.00; ½ gal., \$1.50.

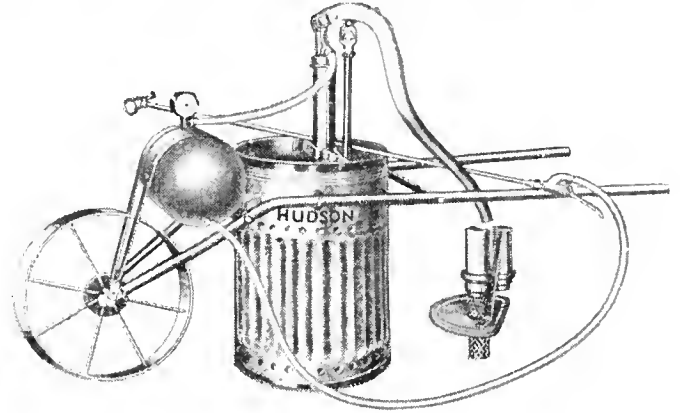


SPRAYER PARTS

We carry a complete line of repair parts for sprayers. If your sprayer gets out of order, bring it to us. Minor repairs made while you wait.

Hudson Ideal Sprayer

An exceptionally handy outfit for the orchard or truck garden; for applying whitewash, cold-water paints, insecticides, stock dips, remedies, etc. Capacity, 18 gallons. Price, \$30.75; without pressure tank, \$20.25.



Hudson Sunshine

The sturdy construction of the Sunshine One-Wheel Sprayer makes it a most popular model for use in greenhouses, around hotbeds, in the field, around the dairy barn, poultry house, etc. Specially recommended for whitewash, cold-water and cement paint. Without pressure tank, \$12.75; with pressure tank, \$22.50.

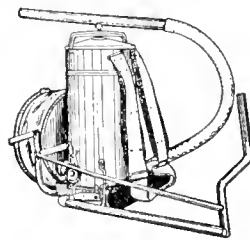
ARNOLD GARDEN HOSE SPRAYER With Crystal Clear Cartridge Chamber



The Arnold Garden Hose Sprayer attaches to your garden hose in place of the regular nozzle. Special Soluble Arnold Cartridges for insect and plant disease control fit the cartridge chamber. As water in the hose passes through the chamber, the cartridge is dissolved a little at a time, but in sufficient quantity to provide the correct control solution. The regular water pressure forces the solution out of the nozzle in the form of a fine mist. The curved spray end enables the gardener to reach all parts of plants without effort or difficulty. Price: Complete sprayer, chromium finish, \$3.50; 36-inch extension, \$1.50; tree waterer extension, \$1.50; cartridges—pyrethrum-rotenone, sulphur, nicotine, arsenate of lead, bordeaux or fertilizer, 35c each, 6 for \$2.00.

Insect-O-Gun

Kill insects with your garden hose. By simply using the water pressure in a garden hose you can now effectively spray your flowers, trees and shrubs with the same efficient results secured by power spraying methods. Applies all insecticides as easily as sprinkling the lawn. Pt. size, \$3.75; qt. size, \$4.75.



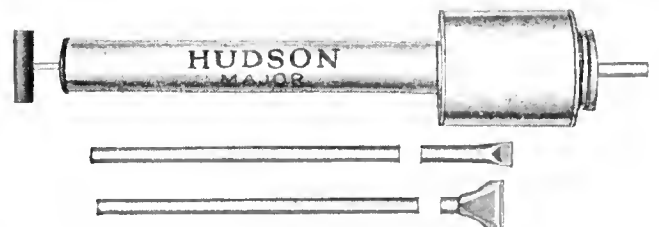
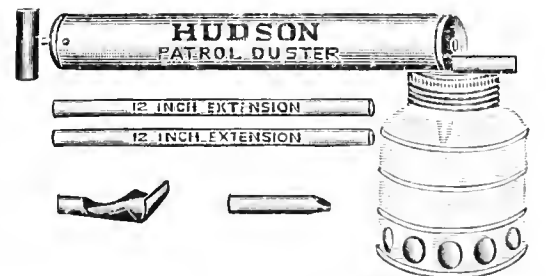
DRY POWDER DUSTERS

American Beauty Duster

The most powerful hand duster made. Can throw dust to the top of 25-foot trees. Dusts truck crops, including underside of leaves, at an average walking speed. Does not choke or clog. A most efficient duster. Price, \$18.00.

Hudson Glass Duster

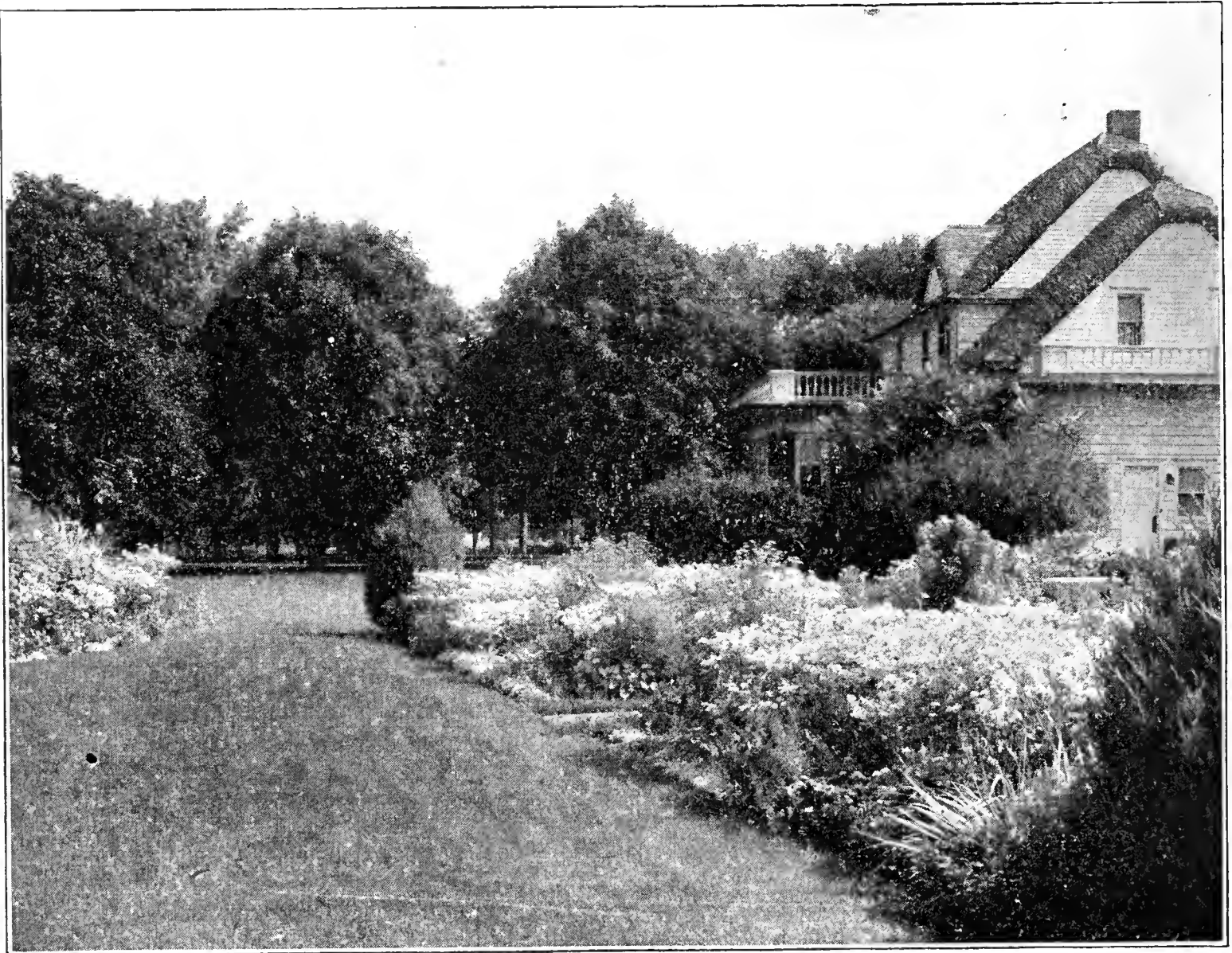
Easy to use in every class of work. Does not waste powder, can be used for B-K powder or similar dusts which might corrode other metals. Price, with extensions, \$1.00.



Hudson Major Duster (Improved)

The Major handles Paris green, arsenate of lead, calcium arsenate and similar poisons very efficiently. Price, 80c.

Know the Joys of Successful Gardening



Have a beautiful, deep-green, weedless lawn . . . larger, more colorful flowers . . . healthy, full-foliaged shrubs and trees! You *can* have all these things if you feed VIGORO, the complete, scientific plant food made by Swift. It contains all 11 needed plant food elements.

Millions of gardeners rely on Vigoro

Only 4 pounds of Vigoro per 100 square feet gives a real square meal to your lawn or garden.

100-lb. bag . . . \$4.00	10-lb. pkg. . . . 85c
50-lb. bag . . . \$2.50	5-lb. pkg. . . . 45c
25-lb. bag . . . \$1.50	1-lb. pkg. . . . 10c

F. O. B. ST. PAUL

every year. They like this clean, odorless plant food because it is so easy to use and yet gives assured results.

If you haven't tried Vigoro, we recommend that you try it this year. You'll be well rewarded if you do, because you'll find Vigoro the most effective and economical plant food you can buy. Add it to your order!

VIGORO

A Product of Swift

The Square Meal for Lawns, Flowers, Shrubs, Trees, and Gardens

FERTILIZERS

When not priced or for larger quantities, see Special Yellow Price List.

Prices subject to change without notice.

Agricultural Gypsum or Land Plaster

Is a fertilizer containing calcium and sulphate sulphur. Also used as a dust against the cucumber beetle and squash bug by dusting on and around the plants when infested. 5 lbs., 25c; 25 lbs., 50c; 100 lbs., \$1.20.

Aluminum Sulphate

For making the soil acid, needed for certain plants. Use one pound to 10 square feet of surface. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c.

Sheep Manure—Pulverized

A quick acting plant food for general use about the lawn, flower beds or garden. For lawns, use 30 pounds per 1,000 square feet and wet down. This is a pure natural manure rich in nitrogen and potash. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 85c.

Agricultural Lime

Excellent for sweetening acid soils. Tends to make clay beds more friable. 5 lbs., 25c; 25 lbs., 55c; 50 lbs., 75c; 100 lbs., \$1.50.

Hardwood Ashes

Valued because of its high potash content. Recommended for iris beds. Has a tendency to drive away insects. 5 lbs., 30c; 25 lbs., 65c; 50 lbs., \$1.00; 100 lbs., \$1.75.

Nitrate of Soda

Furnishes nitrogen in a readily available form. Used for forcing and as a stimulant for backward plants and trees. Use 100 to 200 pounds per acre. If used as a liquid, mix 1 pound to 8 gallons of water. 5 lbs., 45c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.20.

Sulphate of Ammonia

A valuable fertilizer for all plants in which rapid growth or large leaf development is desired. Carries 25 1/4% ammonia but is not quite as quickly available as nitrate of soda. Used largely as top dressing for bent grass lawns. 5 lbs., 35c; 10 lbs., 55c; 25 lbs., 90c; 50 lbs., \$1.65; 100 lbs., \$2.90.



Milorganite

The ideal fertilizer for lawns, gardens, flowers, shrubs and trees. Supplies the soil with all the elements plants need for healthy, continuous growth. Milorganite works slowly and steadily—over an extended period. It promotes steady, healthy, uniform growth. This is an advantage, because too rapid growth results in a weakened plant structure—and the effect of the fertilizer is short-lived. Milorganite contains no weed seeds or harmful bacteria. Being organic, Milorganite stimulates desirable soil bacteria of all kinds, necessary for conversion of water-insoluble elements into plant food. Being granular, Milorganite is dustless and free flowing, easy to apply. Does not burn the lawn when applied. Golf

courses in the United States and Canada use more Milorganite than any other fertilizer. 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.25; 50 lbs., \$1.95; 100 lbs., \$3.10.

SPECIAL GOLF COURSE FERTILIZERS

Full information and prices will be gladly furnished on any of the following fertilizers we carry:

- | | |
|----------------------------------|----------------------|
| Blood Meal | Milorganite |
| Charcoal | Nutria Peat Moss |
| Cottonseed Meal | Sulphate of Potash |
| Fish Meal | Swift's Golf Special |
| Armour's Special Turf Fertilizer | |

Muriate of Potash

A highly concentrated form of potash of especial value for potatoes, corn, grain and all root crops. 5 lbs., 50c; 25 lbs., \$1.25; 100 lbs., \$3.50.

Super Phosphate

(20% or 45%)

Often used with manure and an application of 50 pounds of super phosphate per ton of manure gives good results. Straight applications should be made at the rate of 200 to 800 pounds per acre. Very good for clover, alfalfa, field beans, and peas, winter wheat, rye, barley, etc.

Steamed Bone Meal

An excellent top dressing for lawns and an effective fertilizer in gardens and orchards. Popular among greenhouse men for potting and for fertilizing bench stock. Apply 25 pounds per 1,000 square feet on lawns and 50 pounds per cubic yard for benching, pot plants and roses. 5 lbs., 35c; 10 lbs., 60c.

Raw Bone

Raw bone does not break down or decompose as quickly as steamed bone meal and it is better for crops not needing quickly available food. It is excellent for rose beds, plants, vines, shrubs and trees. 5 lbs., 35c; 10 lbs., 60c.

Shredded Cattle Manure

A good form of fertilizer where a supply of humus as well as fertilizing elements is needed. Suitable for soil mixing and liquid manure. 5 lbs., 35c; 10 lbs., 55c.

Imported Horticultural Peat

It adds organic matter, improves the texture, conserves moisture and aerates the soil. Peat moss is recommended for mixing in soil, for pot plants, window boxes and in flower or vegetable gardens. Price, \$3.25 per bale.

Armour's Garden and Lawn Fertilizer

An excellent fertilizer for lawn, flower or vegetable garden, shrubbery, etc. 4% nitrogen, 8% phosphoric acid and 6% potash.

Armour's Special Florists Mixture

All inorganic and quickly available—5% nitrogen, 15% phosphoric acid, 5% potash. Highly recommended for all types of plants either under glass or outside. Promotes thrifty growth and profuse blossoming.

Armour's Special Tree Food

10% nitrogen, 8% phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply under drip of outside branches at rate of 3/4 pound per each foot in height of tree. For evergreens use 1/2 pound per foot in height of tree.

Armour's Special Turf Fertilizer

A complete grass plant food—10% nitrogen, 8% phosphoric acid, 6% potash. This product is especially prepared for turf production. For greens mix 10 to 20 pounds with compost applied per 1,000 square feet and drench in. For lawns 2 to 3 pounds per 100 square feet.

Blood Meal

13 1/2% organic nitrogen. Readily available, finely ground. Use under glass where quick response is desired. 2 lbs. to 4 lbs. per 100 square feet. 5 lbs., 60c; 10 lbs., \$1.00.

Hoof Meal

14 3/4% organic nitrogen. Slowly available. Use under glass. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$5.50

Horn Shavings

13 1/2% organic nitrogen. Slowly available. Use under glass. 5 lbs., 75c; 10 lbs., \$1.15; 50 lbs., \$4.05.

Urea (Floranid)

46% nitrogen. Very quickly available. Usually applied in liquid form. Dissolve 4 ounces in 50 gallons of water. 5 lbs., 90c; 10 lbs., \$1.50; 100 lbs., \$10.80.

Rose Grower Bone Meal

3 3/4% nitrogen and 22% total phosphoric acid. Has same strength as raw bone meal but is more quickly available. 5 lbs., 35c; 10 lbs., 60c.

Sulphate of Potash

48% potash. Same use as muriate of potash. 5 lbs., 50c; 10 lbs., 80c.

Adco (Makes artificial manure)

Adco is a powder which, when mixed with dry leaves or almost any non-woody vegetable waste and kept moist, converts the mass into artificial manure—equal to the farmyard product in fertilizing power, but free from foul odor. 7 1/2 lbs., \$1.00; 25 lbs., \$2.25; 50 lbs., \$4.50; 100 lbs., \$8.00.

Poultry Manure

It is pulverized and easily soluble, readily absorbed. The analysis is 6—2 1/2—1 1/4. Use poultry manure in the garden, for lawns, shrubbery, etc. 5 lbs., 40c; 25 lbs., \$1.25; 100 lbs., \$3.50.

Pulverized Limestone

Sweetens, also improves the texture of the soil and liberates nitrogen and other plant foods, and stimulates bacterial action. 5 lbs., 30c; 10 lbs., 45c; 25 lbs., 55c; 100 lbs., \$1.00.

Leaf Mold

Used in preparing soil for seedlings and for potting. Price, 50c a bushel.

Nutria Peat Moss

Nutria peat is a high lime granulated peat, clean, odorless and pleasant to work with. It is an excellent soil builder. It will lighten clay or heavy soils and build up sandy or light soils. It conditions and changes otherwise poor soil into one of rich, mellow texture. Nutria peat moss will hold 15 times its weight in moisture, thus soil does not dry out as quickly and needs less watering. Makes an excellent top dressing for new or old lawns. Peat is also valuable to use in the garden to give the soil that mellow texture and prevent crusting. Is almost as cheap as ordinary black earth. Large bag, 90c; 2 bags, \$1.50; 3 bags, \$2.00; 2 cubic yard load (equal to 20 bags), \$5.00, delivered in St. Paul.

Stim-U-Plant Tablets

A fertilizer in tablet form for house plants and flowers. Rich in concentrated essential plant foods. Convenient to use, clean and odorless. Full directions on each package. Special trial size, 10c; 30-tablet size, 25c; 100-tablet size, 75c; 1,000-tablet size, \$3.50, postpaid.

GARDEN TOOLS AND ACCESSORIES

No. 4 Planet Jr. Hill and Drill Seeder and Single Wheel Hoe Combined

Equipment: 1 garden plow, 3 steel cultivator teeth, 1 pair of hoes, 1 leaf lifter, capacity 2½ quarts. Price, \$19.50. No. 4-D Seeder only. Price, \$15.50. No. 25, same as No. 4, but as a Double and Single Wheel Hoe. Price, \$23.50.

No. 3 Planet Jr. Hill and Drill Seeder

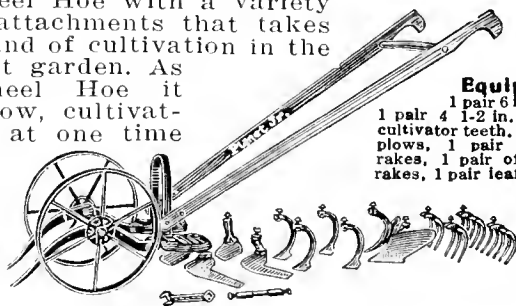
A great favorite among market gardeners. Sows all vegetable seeds in drills, or drops in hills 4, 6, 8, 12 or 24 inches apart. Sows at the proper depth and thickness and economically produces straight rows and a uniform stand, making cultivation easier. The hopper holds 3 quarts. Price, \$19.00.

No. 300 Drill Seeder

A plate or disc Seeder for all seeds from the smallest up to and including peas, beans and corn. Growers of peas and beans will appreciate this seeder as it does not break the seed and sows with great regularity. Only three plates each with thirteen holes, making ample adjustment for various seeds. Hopper holds four quarts and is removable which makes easy filling and emptying. Price, \$21.00.

No. 11 Planet Jr. Double and Single Wheel Hoe Combined. Price \$14.50

A wonderful combination of a Double and Single Wheel Hoe with a variety of cultivating attachments that takes care of every kind of cultivation in the home or market garden. As a Double Wheel Hoe it straddles the row, cultivating both sides at one time until plants are 20 inches high. As a Single Wheel Hoe it is a wonderful timesaver and does many kinds of work.



Equipment:
1 pair 6 in. Hoes,
1 pair 4 1-2 in. hoes, 4
cultivator teeth, 1 pair of
plows, 1 pair 3-tooth
rakes, 1 pair of 5-tooth
rakes, 1 pair leaf lifters

No. 12 Double and Single Wheel Hoe

A popular combination—used by thousands of home and market gardeners everywhere. Has No. 11 equipment except 4½-inch hoes and rakes. Price, \$11.50.

No. 13 Double and Single Wheel Hoe

A great favorite among onion growers. **Equipment:** One pair of 6-inch hoes, the most useful attachments. Other attachments can be added at any time. Price, \$8.75.

No. 16 Planet Jr. Single Wheel Hoe

Lighter than a Double Wheel Hoe and almost as useful to those who prefer a light tool. The variety of attachments will handle practically any cultivating, hilling, furrowing, etc., in the garden.

Equipment: One pair of 6-inch hoes, 3 steel cultivator teeth, garden plow, one 3-tooth and one 5-tooth rake, 1 leaf lifter. Price, \$9.00.

No. 17 Single Wheel Hoe. Same as the No. 16, less the rakes and leaf lifter. Price, \$8.00.

No. 17½ Single Wheel Hoe. Same as the No. 17 less the plow. Price, \$7.00.

No. 18 Single Wheel Hoe

Equipped with one pair of 6-inch hoes only, the most useful attachments. A great favorite among market gardeners; a wonderful time and labor-saver. Other attachments can be added whenever desired. Price \$6.00.

No. 82 Planet Jr. Horse Hoe and Cultivator

The No. 82 is a 7-tooth machine. It has reversible side standards, which can be turned any angle desired. The seven teeth insure fine and thorough cultivation. The machine will take all other extra attachments for One-Horse tools and the whole combination is one which is valuable for hoeing, hilling, or thorough cultivating. Price, \$16.00.

Planet Jr. No. 220 Fertilizer Distributor

Will distribute from 100 to 2,000 lbs. of commercial fertilizer per acre, spreading it from 4 inches to 30 inches wide. The hopper holds one bushel. The agitator is operated by lugs on the drive wheel which is 24 inches high. Price, \$29.50.



Planet Jr. Garden Plow and Cultivator No. 119

\$4.00

Equipment:
1—¼-in.
Cult. Tooth,
Large Garden
Plow, Combination
2 Cult. Teeth
and V-shaped
Scuffle Hoe, and
Wrench.

The No. 119 is sturdily built, with a 24-inch wheel. It is an easy running tool for any garden work, and especially where such crops as potatoes, corn, field beans or anything in wide rows must be cultivated by hand rather than with a horse. Ten times as fast as a hand hoe. Price, complete, \$4.00.

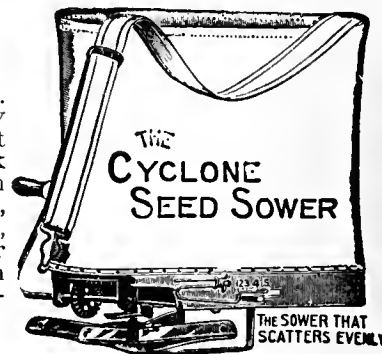
Hotkaps

HOTKAPS are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, wind, hail, birds and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25%. Crops mature 2 to 3 weeks earlier. Prices:
1000—No Setter included (weight 28 lbs.).....\$10.25
250 With Garden Setter and Tamper (Wt. 9 lbs.)... 3.85
100 With Garden Setter and Tamper (Wt. 5 lbs.)... 2.65
25 With Fibreboard Setter (Wt. 1 lb.)..... .50
Market Garden Steel Setter and Tamper \$1.50.
Garden Setter, 50c—Steel Tamper, 25c.



Cyclone Seed Sower

Broadcasts evenly, saves seed. The Cyclone will sow many acres per hour, any amount per acre. Does the work quickly and saves labor. Can be used for sowing clover, timothy, alfalfa, lespedeza, sudan grass, oats, wheat or any other seed that is sown broadcast. Price, \$2.75 postpaid.



The Horn Seed Sower.

Will sow perfectly all smooth seeds like alfalfa, clover, timothy, lespedeza, etc., any desired amount per acre. Easily operated. Price, 90c, postpaid.

Rubber Bands

For bunching vegetables. Several kinds and sizes. Please ask for prices.

Olsen Dandelion Destroyer

This machine not only kills dandelions but other weeds by simply inserting the point into the center of the plant and pressing down. The powder discharged will not kill grass but has a fertilizing effect. Price, \$2.98; Powder, 1 lb., 35c; 3 lbs., 98c; 5 lbs., \$1.60; 10 lbs., \$3.00.

Death to Dandelion Gun

Is as easy to operate as a walking cane. Just a light touch to each dandelion root and the liquid released from the gun penetrates the roots and kills the dandelions. Price, Gun, \$2.35; Liquid, 1 gal. \$1.00.

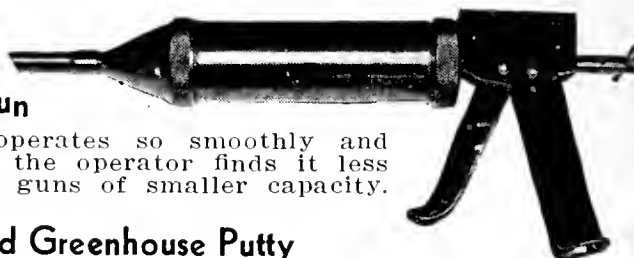
Caulking and Glazing Gun

The Gun operates so smoothly and easily that the operator finds it less tiring than guns of smaller capacity. Each, \$5.00.

Hotbed and Greenhouse Putty

\$1.35 to \$2.75 per gallon; 5 gallons, \$6.25 to \$13.25.

Peerless Glazing Points 1,000 to the box at 75c.



Bird's Water Proof Paper Flower Pots



These pots are used in transplanting any kind of plants in the greenhouse and hotbeds, allowing them to become well rooted in the pot before setting in the open ground, thereby avoiding all setbacks from outdoor planting.

Size	Doz.	25	100	500	1000
2 1/4-in.	15c	25c	\$0.75	\$2.25	\$3.80
2 1/2-in.	15c	25c	.75	2.50	4.10
3-in.	15c	25c	.75	3.00	5.10
3 1/2-in.	20c	35c	1.00	3.75	6.60
4-in.	20c	35c	1.15	4.25	8.00
5-in.	25c	45c	1.75	5.50	10.50
6-in.	35c	60c	2.25	7.25	14.00

The above prices do not include postage

Clay Pots and Saucers

We carry a complete line of earthenware flower pots and saucers from 2 to 12 inch sizes, also bulb pans. None sent by mail.



Garden, Pot and Tree Painted Labels

	Doz.	100	250	1000
Copper Wired Tree Labels, 3 1/2 inches	\$0.08	\$0.40	\$1.00	\$2.75
Pot Labels, 4 inches .....	.08	.40	1.00	2.50
Pot Labels, 5 inches .....	.08	.40	1.00	2.50
Pot Labels, 6 inches .....	.10	.50	1.00	3.00
Garden Labels, 8 inches .....	.15	1.00	1.50	5.00
Garden Labels, 10 inches .....	.15	1.00	1.75	6.25
Garden Labels, 12 inches .....	.20	1.50	2.50	8.50
Garden Labels, 18 inches .....	.60	4.50	8.00	30.60

Plant Stakes

For supporting tall growing plants such as Gladioli, Delphinium, Dahlias, etc., in the garden. Prices below are f. o. b. St. Paul.

CANE STAKES, GREEN OR NATURAL BAMBOO

	Doz.	25	100	500	1000
2 feet	\$0.15	\$0.25	\$0.75	\$2.50	\$4.00
3 feet .....	.20	.35	1.00	3.50	5.75
4 feet .....	.25	.40	1.25	5.00	9.00
5 feet .....	.30	.50	1.50	6.00	10.00
6 feet .....	.35	.60	2.00	8.00	14.00

Raffia (Natural or Green)

The best tying material for plants. Also used for basket making. **Natural:** 1/2 lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00. **Green:** 1/4 lb., 40c; 1/2 lb., 80c; 1 lb., \$1.50. Postage extra on mail orders.

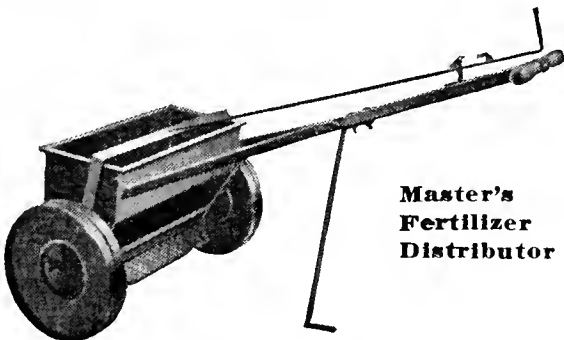
Grafting Wax

This Grafting Wax has an even consistency which will give best results for sealing cuts or bruises in fruit and shade trees. 1/4 lb., 20c; 1/2 lb., 35c; 1 lb., 65c; 5 lbs., \$2.25.

Master's Fertilizer Distributor

A new and perfect machine for the even distribution of fertilizer or grass seed.

This machine is recommended by leading agricultural colleges, fertilizer manufacturers and highest authorities everywhere. Will last for years. You will be greatly pleased with this machine and the splendid work it does.



Master's Fertilizer Distributor

	Size	Capacity	Price
Model M-160	16 in.	40- 50 lbs.	\$10.00
Model M-240	24 in.	60 lbs.	13.25
Model M-241	24 in.	65- 75 lbs.	14.50
Model M-361	36 in.	100-110 lbs.	20.50

Models M-160 and M-240 have single disc wheels; Models M-241 and M-361 have double disc wheels.

Vigoro Fertilizer Spreaders

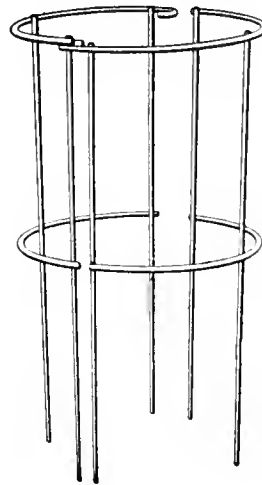
Vigoro Spreaders make quick work of lawn feeding and lawn seeding. They are made in four sizes, all with forced feed, shutoff control on handle and are adjustable for various rates of application.

Model "B"	15 lbs. capacity	\$2.90
Junior	30 lbs. capacity	6.30
Standard	65 lbs. capacity	11.35
Special	100 lbs. capacity	19.00

Interchangeable Plant Supports

Made of steel wire, electric welded. Finished in green Bakelite enamel. Built in halves. Hooks together to form rigid plant support. Halves can be used separately for foliage in house borders. Is easily shaped by hand to support any particular bush or flower. Ideal for rose bushes, peonies, tomatoes, etc.

- No. 10 wire, 14-in. dia., 21-in. high. Each, 20c.
- No. 8 wire, 16-in. dia., 24-in. high. Each, 30c.
- No. 6 wire, 18-in. dia., 30-in. high. Each, 40c.



We also carry many other styles of Plant Supports.

One and Two-Eye Stakes

Placed around a single plant, a group, or each side of a row, with twine strung tightly through the eyes, they make a strong support for plants and flowers.

One-Eye Stake

- No. 8 Galv. Wire, 36 ins. long. Dozen, 30c
- No. 8 Galv. Wire, 48 ins. long. Dozen, 40c.

Two-Eye Stake

- No. 8 Galv. Wire, 36 ins. long. Dozen, 40c.
- No. 8 Galv. Wire, 48 ins. long. Dozen, 50c.

Hanging Baskets

For porch, sun-parlor or indoors. Just the basket for ferns or trailing vines. Attractively finished in harmonizing green enamel.

- No. 6410—10-in. diameter. Each, 25c.
- No. 6412—12-in. diameter. Each, 35c.

Hanging Basket Hook

An ideal hook for hanging bird cages, hanging baskets, ivy balls, etc., about the home. This hook is light and sturdy—well made—swings freely from side to side and is easily put up. Each, 20c.



Diamond Hedge and Shrub Trimmer

It will trim vines and hedges four times faster than the old type shears. Made of hard-tempered, rust-proof steel. Price, \$2.85.

Brandt's All Metal Garden Markers

All holders and tabs are made of non-rusting, non-corrosive metals. They are durable and low priced. See them when you are in our store or write for prices.

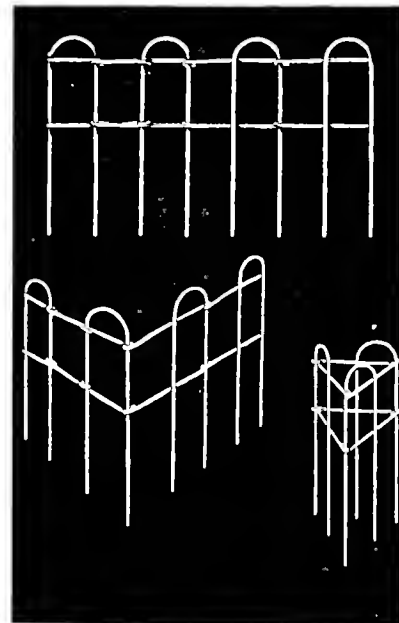
Sectional Ornamental Fence

Easily put together in any combination. Made in individual sections; aluminum finish.

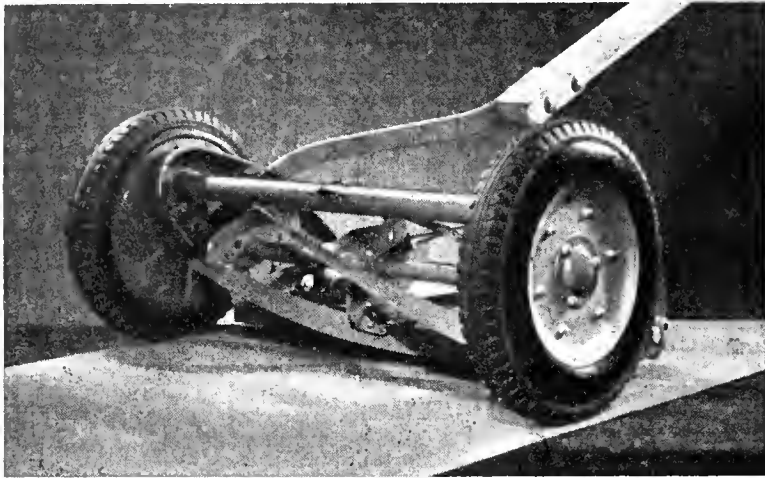
- No. 8 Wire, each section 24 ins. high, 16 ins. wide. Each, 13c; 2 for 25c.
- No. 8 Wire, each section 30 ins. high, 16 ins. wide. Each, 15c; 2 for 28c.
- No. 6 Wire, each section 36 ins. high, 16 ins. wide. Each, 20c; 2 for 35c.

Corner Guards

Built in halves and hooked together to form a rigid protection or support. Made of heavy wire, aluminized weather-proof finish. Each half 36 ins. long and 30 ins. high, tapering down to 12 inches. Per pair, 75c.



Try Vigoro in your flower garden. You will be amazed at the vitality your plants will show and the most wonderful blooms you will get.



Silent Yard-Man Lawn Mower-A Sensation

At last a truly Silent Lawn Mower. The silence, light weight and ease of operation is amazing. In ordinary use, one oiling a season is all that the Silent Yard-Man requires. All mowers are 5 blade.

14 inch	\$15.00	18 inch	\$17.50
16 inch	15.95	21 inch	19.00

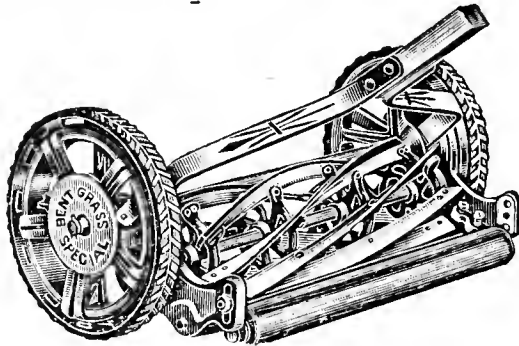
Eclipse Lawn Mowers

We have handled the Eclipse Line of Lawn Mowers for several years and we believe they are one of the best values in Mowers. They are light, easy running and sure cutting, and make lawn cutting a pleasure. Higher priced models are self-sharpening.

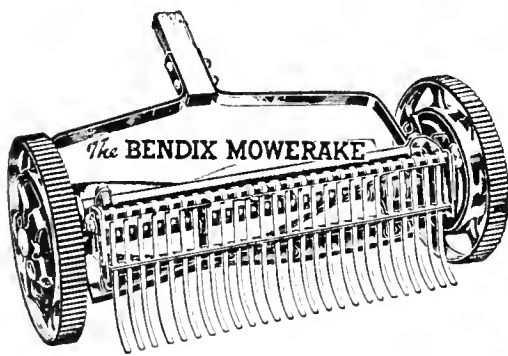
Lady, 4 blade, 8-in. wheel.....	15 inch	\$6.25
Midwest, 4 blade, 10-in. wheel.....	16 inch	6.75
Rio Grande, 5 blade, 10-in. wheel.....	16 inch	7.50
Eclipse A, 5 blade, 10-in. wheel.....	18 inch	25.00
Eclipse L, 5 blade, 10-in. wheel.....	16 inch	16.50
Eclipse L, 5 blade, 10-in. wheel.....	18 inch	18.00
Eclipse M, 4 blade, 10-in. wheel.....	16 inch	15.25
Eclipse M, 4 blade, 10-in. wheel.....	18 inch	16.75

Bent Grass Lawn Mower

A special seven-blade mower that will cut as low as 3/16 and up to 1 1/4 inch. Cutter bar special design raised edge tool steel hardened and tempered in oil. Blades made of high-speed tool steel, hardened and self-sharpening. Price, 18-inch size..... \$18.00



The Bendix Mowerake



Banishes crab-grass and low-growing weeds. The Mowerake lifts up the seed-producing stems so that the mower cuts off these heads and prevents re-seeding. Quickly adjusted to any lawn mower. Prices, 14-16 inch, \$1.85; 18-20 inch, \$2.00. Prices for Silent Yard-Man Mower, slightly higher.

Electrimer

Electrimer cuts the toughest growth, ten times faster than can be done by hand. It will trim 100 feet of average hedge top and sides in 30 minutes. It's fun, not work to trim with an Electrimer. Price, \$29.50.

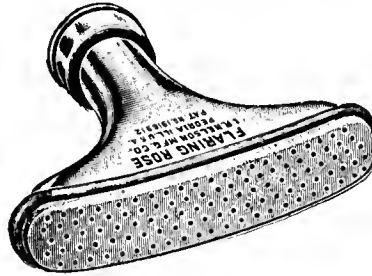
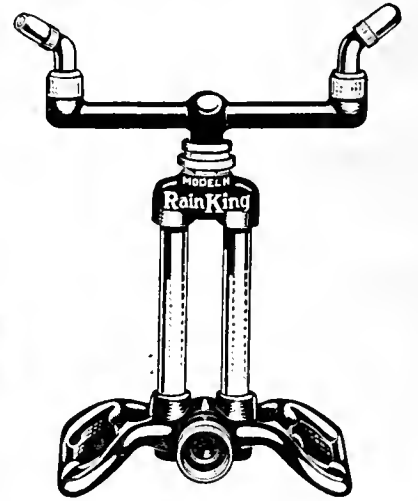
100 ft. rubber covered wire extension and connection, \$3.85.



Electrimer

Rain King Lawn Sprinkler (Model D)

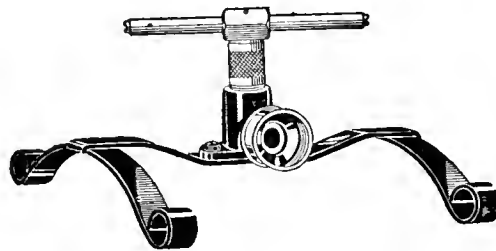
This new and improved Rain King is easily adjustable for fast or slow or stationary sprinkling. Works on all water pressures. Price, \$2.85.



Flaring Rose Hose Nozzle

Distributes water in a soft fan-like spray. Especially valuable for sprinkling new lawns and flower beds. Price, 50c; postpaid, 60c.

Rainbow Lawn Sprinklers



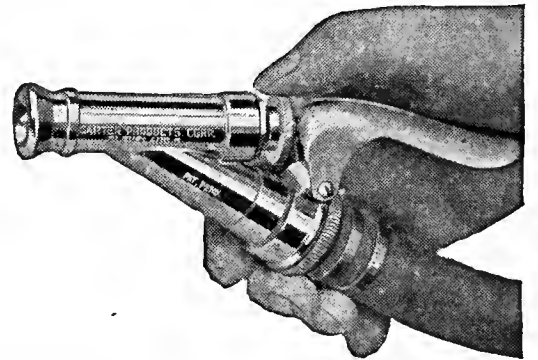
One of the very best Lawn Sprinklers made—guaranteed to give perfect satisfaction. Throws a spray-like mist and rain combined over an area of from 40 to 50 feet. Rainbow Sprinklers will last indefinitely without care. Each, \$1.48. Postpaid, \$1.65.

Mowers Sharpened

Does your old Lawn Mower need Grinding? If so just phone Garfield 5377 and ask us to pick up your Mower. We have a fully equipped machine shop to sharpen all types of Mowers, by an expert.

Carter Lever-Spray Hose Nozzle

Stream or spray easily regulated by easy pressure of the hand. For lawn or garden, cleaning cars, porches or for any purpose the flow of water can be regulated instantly. For steady sprinkling, nozzle can be set to the spray or stream desired. Price, \$1.00.



PROTECT YOUR HANDS

with these

Washable, Soft-Leather

GLOVES



Give you everything you want in a garden glove.

All-Leather
SOFT AS KID
Durable

DIRT PROOF
Easy to Wear
ECONOMICAL



Being all-leather, Eezy Wear gloves give complete protection against dirt, scratches, bruises, stains, infections. Yet their amazing softness and pliability, the result of a special processing, make them extra comfortable. Cling to the hands and practically give you BAREHAND FREEDOM.

Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for—GARDENING, HOUSEWORK, PAINTING, FURNACE, GARAGE, ETC.

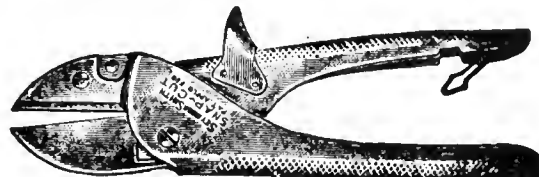
National Eezy Wear
Garden Gloves

Sizes for WOMEN (small, medium, large) and MEN (small, medium, large). Price, 75 cents a pair, postpaid. (2 pr. \$1.40.)

Doo-Clip Grass Shears.
Each, \$1.50; by mail, \$1.60



Snap-Cut Pruning Shears. Cuts easier and cleaner. Price, \$1.75. Postpaid, \$1.85.

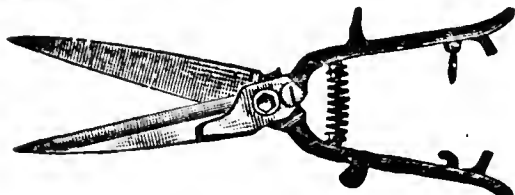


Grass Shears.
Prices, 50c to \$1.25.

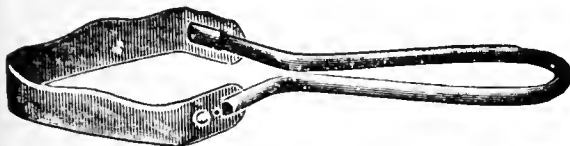
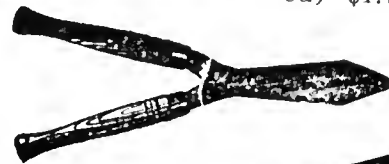


Tree and Hedge Pruner. Several sizes and designs. Hard steel. Price, (as illustrated) \$1.75.

Grass Shears. Blades of best steel. Price, 90c; \$1.00 postpaid.

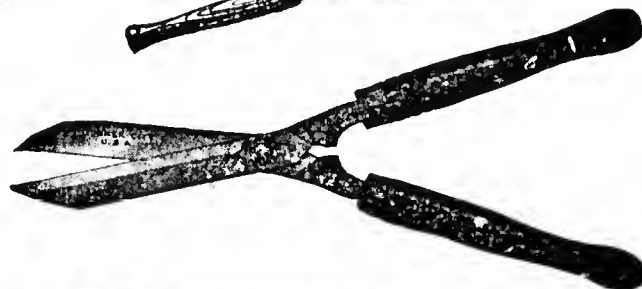


Hedge Shears. Price, 80c to \$1.15.



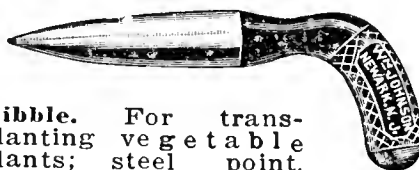
Diamond Weeder. A big favorite for weeding vegetable crops. Each, 25c.

Hedge Shears. Price, 90c to \$3.00.



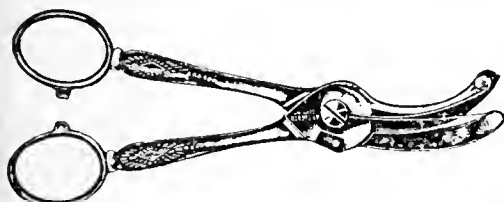
Cut Flower Shears. Garden Clipper, holds cut stem. Each, 65c; postpaid, 75c.

Silver Plated. Holds cut stem. Each, \$2.00; postpaid, \$2.10.



Dibble. For transplanting vegetable plants; steel point. Price, 60c, 75c and 90c.

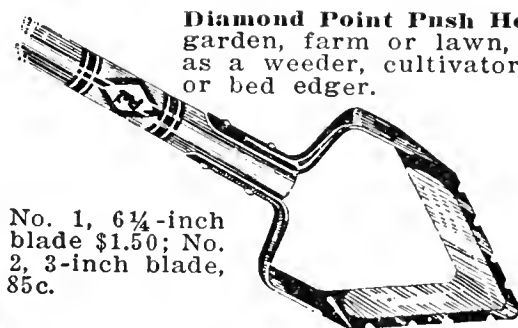
Pruning Saw. Price, \$1.25 to \$2.25.



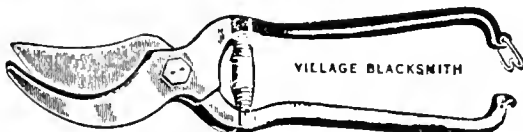
Grass Catchers. Made of heavy galv. sheet iron and heavy white canvas. For 14-16-inch mower size, \$1.00; 18-20-inch mower size, \$1.25.

Garden Tools.
In this book we have listed only a few of the garden tools we carry. Drop in and see our complete line. We have what you want.

Diamond Point Push Hoe. For garden, farm or lawn, use it as a weeder, cultivator, lawn or bed edger.



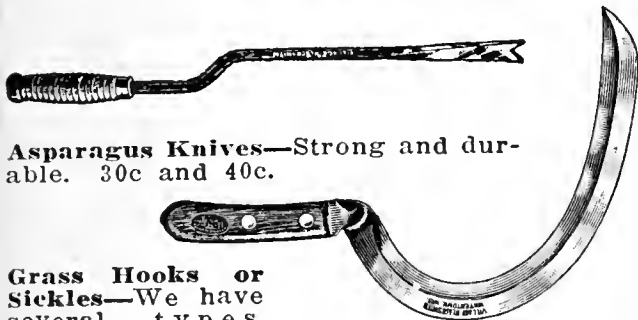
Pruning Shears Made of best tempered steel. Prices, 65c to \$4.25.



No. 1, 6 1/4-inch blade \$1.50; No. 2, 3-inch blade, 85c.

Asparagus Knives—Strong and durable. 30c and 40c.

Grass Hooks or Sickles—We have several types, priced 50c, 75c, 80c.



Lawn Edgers—Several styles. Priced \$1.50 to \$1.75.



Double Hose Connection. Allows the use of two lines of hose from a single outlet. Price, 75c.



Extra heavy steel weeders.

12-inch size Each, 25c
40-inch size Each, 35c

Flat Top Turf Edger—This turf edger has the upper edge of the blade turned over to furnish a flat surface for the foot. Each, \$1.15.

Cultivator—A popular hand cultivator. The spread and number of teeth are adjustable. 5-tooth cultivator, \$1.00. 3-tooth, 75c.

Four-Tine English Digging Fork—The slender, square, sharp tines of this fork enter the ground with ease. Each, \$2.00.

Floral Shovel—A light shovel for ladies' or children's use, suitable for planting shrubbery, transplanting potted plants, digging bulbs, etc. Ea. \$1.00.

Newman "Easy Kut" Hoe—The shallow blade and three sharpened edges of this hoe make it unequalled for mulching and killing weeds. Each, \$1.25.

Speedy Cultivator—A time-saving tool for preparing the ground for seeding and for cultivating. Each, \$1.00.

Square Top Hoe—Dirt passes over the corners of this hoe. Very popular with strawberry growers. Each, \$1.25.

Level Head Steel Rake—Forged from one solid piece of steel. Ideal for gardening. Curved, 14-tooth rake. Each, \$1.35.

Steel Scuffle Hoe—This is a very practical weeder and mulcher that cultivates a large area in a short time. Each, \$1.25.

Warren Hoe—For opening seed rows, covering seed, hilling, cultivating, and weeding. Has more uses than any other hoe made. Each, \$1.45.

Socket Garden Trowel—Drop shank pattern. Will outlast several of the cheaper trowels. Each, 90c.

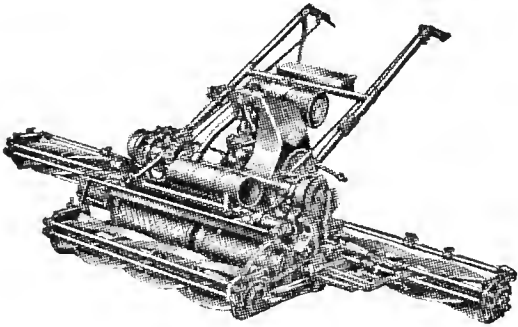
Round Bow Steel Rake—The best seller in rakes. Slightly curved teeth. 14-tooth rake, \$1.35; 16-tooth rake, \$1.45.

Waters Tree Pruner
8 foot. Each \$2.25
10 foot. Each 2.50
12 foot. Each 2.75

LAWN, GOLF COURSE AND CEMETERY EQUIPMENT

In keeping with our established reputation of 40 years for handling the very best grade of seed and other garden products, we aim to carry only worth while lawn and golf course equipment. Detailed information regarding any of the listed lawn or golf course equipment will be gladly sent by return mail. If you would like a demonstration of our power lawn mowers, sprinklers, or other equipment, please let us hear from you. It will be arranged for your convenience and will place you under no obligations whatsoever.

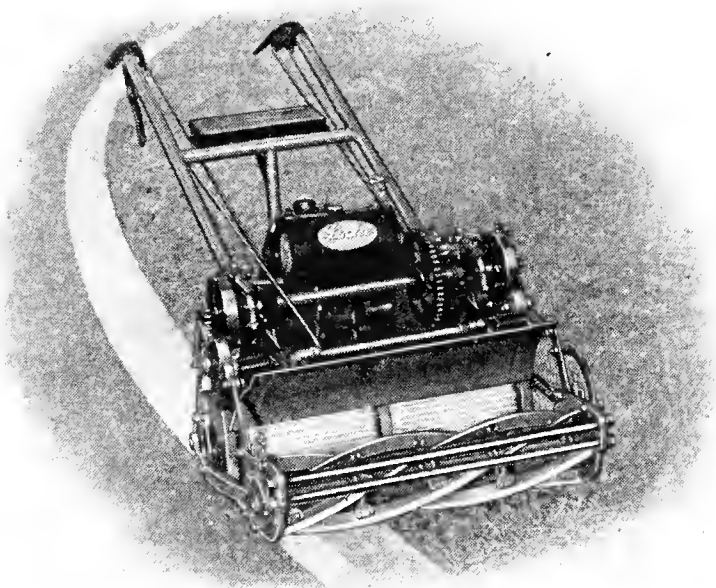
The Locke Power Lawn Mower and Trimmer



(Two Machines in One)

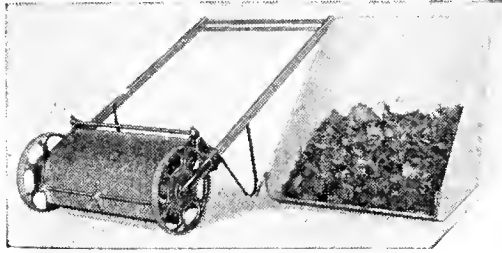
The Locke 75-inch Power Lawn Mower and Trimmer.

The Locke 25- or 30-inch Lawn Mower and Trimmer.



Descriptive catalogue will be sent or free demonstrations will be arranged for on request.

The New Improved Springfield Lawn Sweeper



For Golf Grounds, Cemeteries, Parks, Estates, Etc. The Springfield Sweeper is the only practical sweeper for golf greens. It gently collects fresh cut or dead grass, paper, sticks, stones and leaves without harming the grass itself. The action of the revolving brush is beneficial to the turf. It raises the low-growing crab grass and other spreading weeds, so that the lawn mower can cut off the seed pods before they ripen. New model is made mostly of aluminum parts and is much lighter and carrier larger. Price, \$36.00.

We have just installed a New Improved Peerless Lawn Mower Sharpener which is the most up-to-date Mower Sharpener on the market. We can handle all sizes, up to 42-inch power mowers. We will be glad to give you an estimate on grinding and repairing your mower. If your mower can be fixed we will fix it.

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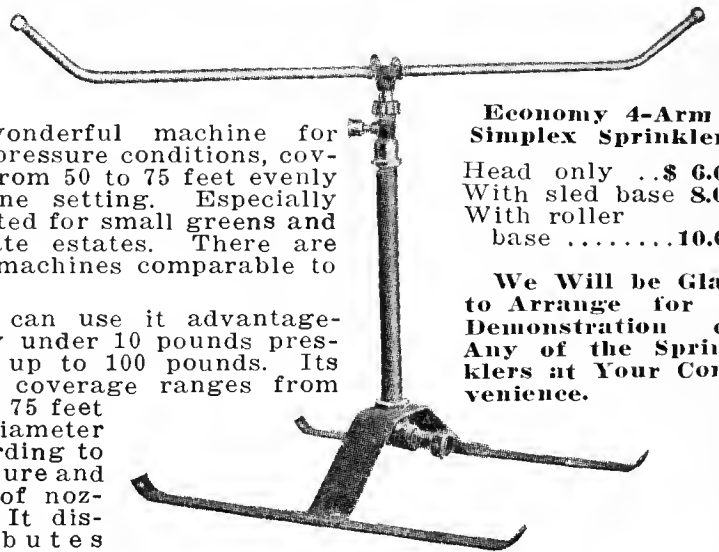
Never-Kink Hose

5/8 and 3/4-inch Double Braid corrugated Red or Black, 10 to 24-foot length with coupling, at 8 1/2 cents per foot.

The Standard Hole Cutter

The Standard Hole Cutter, with its accurate, strong, rugged construction, always cuts true—every hole even and uniform in size. Price, complete, \$8.00.

Economy 4-Arm Simplex Sprinkler



A wonderful machine for low pressure conditions, covers from 50 to 75 feet evenly at one setting. Especially adapted for small greens and private estates. There are few machines comparable to it.

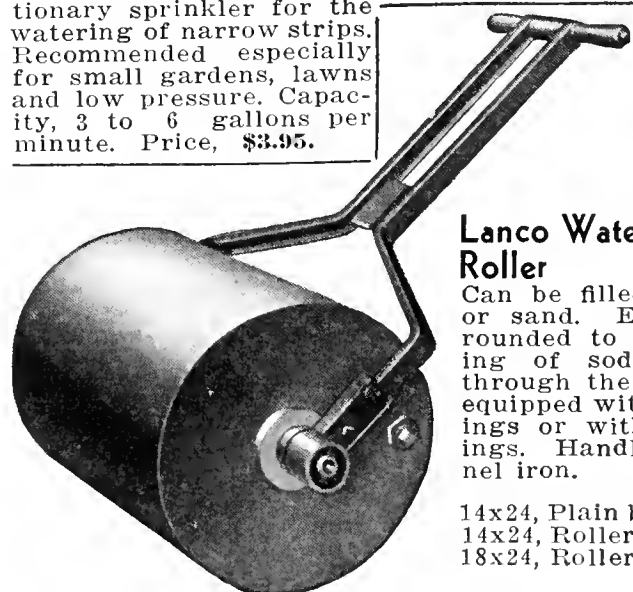
You can use it advantageously under 10 pounds pressure up to 100 pounds. Its even coverage ranges from 50 to 75 feet in diameter according to pressure and size of nozzle. It distributes evenly from 10 to 15 gallons per minute, according to pressure and nozzle used.

Economy 4-Arm Simplex Sprinkler
Head only ..\$ 6.00
With sled base 8.00
With roller base10.00

We Will be Glad to Arrange for a Demonstration of Any of the Sprinklers at Your Convenience.

Economy Baby Simplex Sprinkler

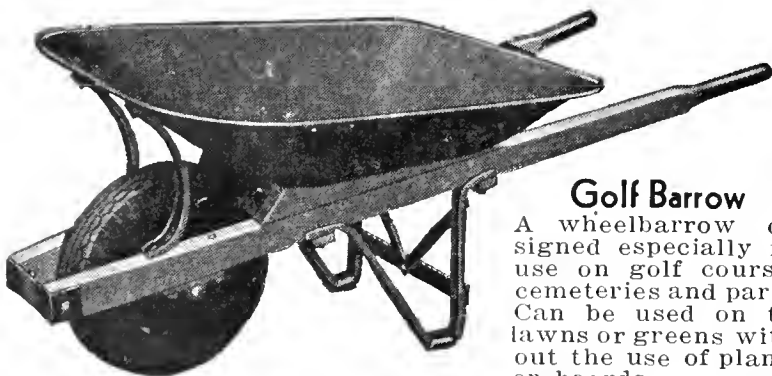
Actually two sprinklers in one. It can be used as a revolving sprinkler to water a circle up to 50 feet in diameter, or it can be instantly transferred into a stationary sprinkler for the watering of narrow strips. Recommended especially for small gardens, lawns and low pressure. Capacity, 3 to 6 gallons per minute. Price, \$3.95.



Lanco Water Ballast Roller

Can be filled with water or sand. Edge of drum rounded to prevent tearing of sod. Axle runs through the roller and is equipped with roller bearings or with plain bearings. Handle is of channel iron.

14x24, Plain bearing \$ 8.25
14x24, Roller bearing 10.75
18x24, Roller bearing 12.75



Golf Barrow

A wheelbarrow designed especially for use on golf courses, cemeteries and parks. Can be used on the lawns or greens without the use of planks or boards.

With ball-bearing pneumatic tired wheel.....\$16.75
Rubber-tired wheel only.....\$8.50

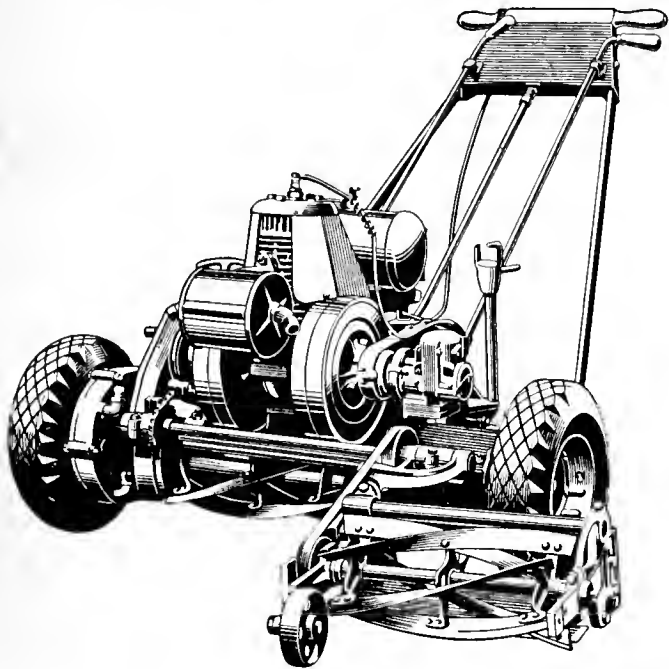
Steel Tray Barrow

A light steel wheelbarrow with a tray that will hold a REAL LOAD, and at a price no higher than you pay for a common wood tray barrow. Legs and braces of steel. Weight, 45 pounds. Price, \$5.75.

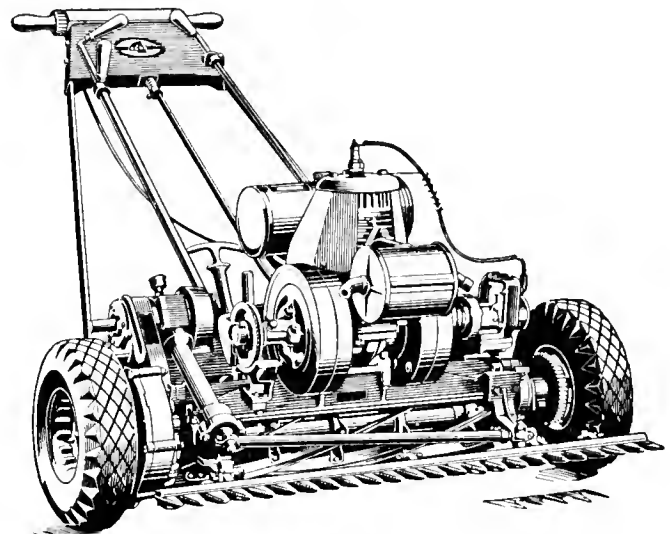
JACOBSEN POWER MOWERS

PRICES FURNISHED ON REQUEST.

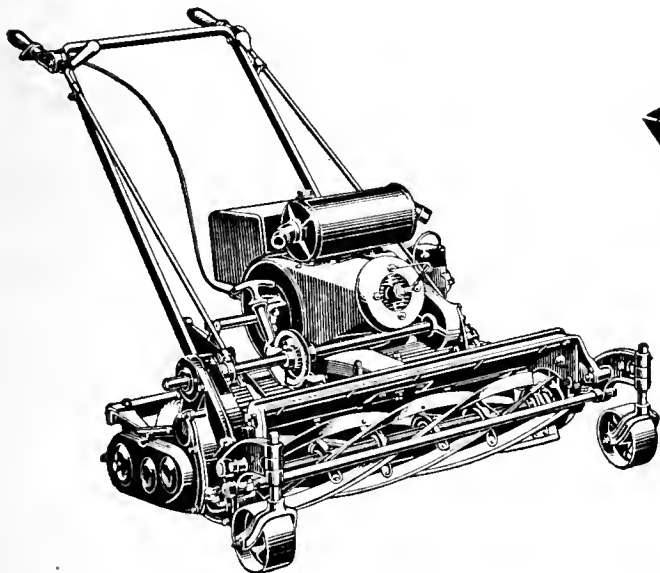
A mower for every purpose. Demonstrations to prospective buyers. Illustrated and descriptive catalog on request.



4-Acre—24-in. or 30-in. cutting width. 20-in. power driven trimmer available for either model gives capacity mowing—works over edges of spaded beds, curbs, and within two inches of trees and monuments, reducing time and labor to a minimum. Trimmer folds over main unit for transporting and narrow cutting between obstacles.

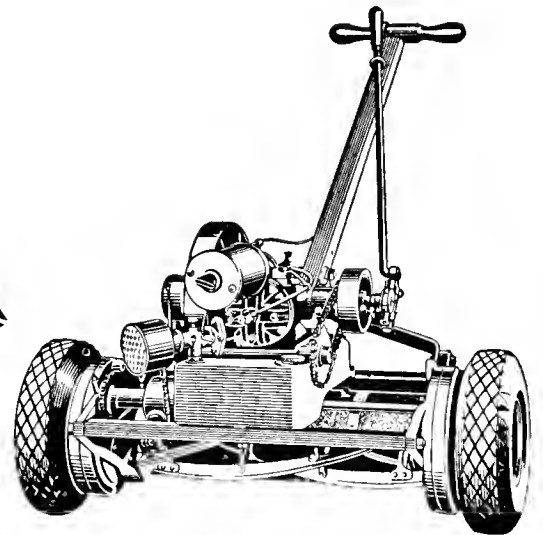


4-Acre—24-in. or 30-in. cutting width with sickle attachment. The built-in features make the 4-Acre a standard of power mower performance and economy in the heavy duty class. All gear enclosed drive, automotive type differential, and separate reel and traction clutches give operator easy and positive control under all ground conditions. Riding sulky also available for either model.

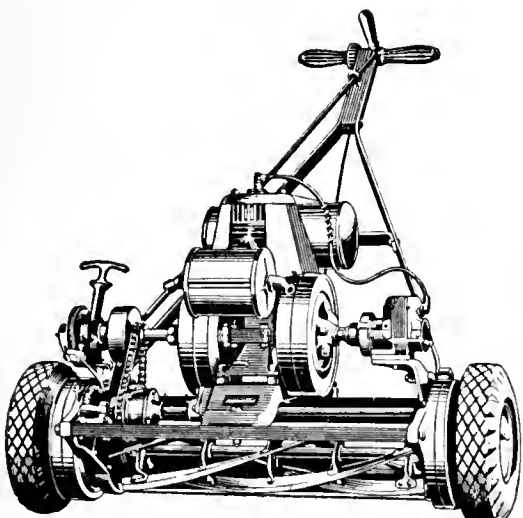


Major Estate 30-in.—Adapted to sunken or formal gardens, tennis courts, creeping bent or other fine lawns; in fact, every condition where frequent light rolling is desirable. Powered by a Jacobsen special built slow-speed $3\frac{1}{2}$ h. p. engine. Its all gear drive and auto type differential enable it to handle most exacting work. Power driven side units, which increase cutting width to 66 inches are available. Other roller driven models available in 20-in. and 24-in. cutting widths.

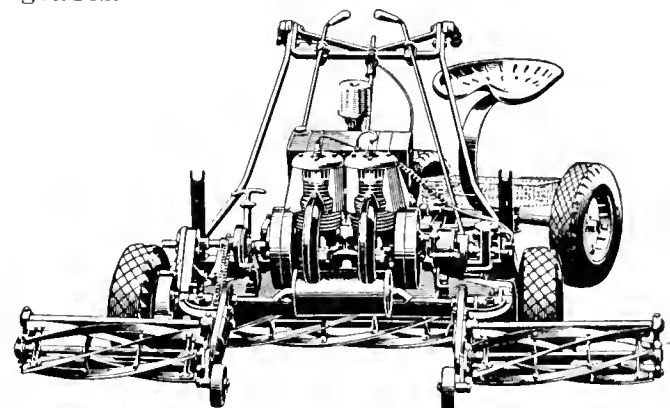
SERVICE DEPARTMENT
Our service department is thoroughly equipped to give prompt and efficient service. We repair, sharpen or adjust any Model power or hand Mower.



The Jacobsen 20-in. Simplex meets a demand for a small quality built power mower at a low price. It is not just a hand mower with adapted power—it is built as a power mower from the ground up and designed for easy, simple, and efficient mowing. Despite its low cost, it embodies such Jacobsen features as chrome nickel steel reel mounted on adjustable Timken Roller Bearings, a safety clutch on the reel drive, and bevel gear auto type differential. It has the strength and stamina to insure long carefree service. Plenty of power for steep grades.



The 20-in. and 24-in. Sturdex is a powerful light-weight machine priced to provide mowing at a low initial cost. It is a quality mower—every part is designed and built to withstand the strain put upon a power mower. Like every model of Jacobsen mowers, it has power to operate straight up a 60% grade.



32-in. Twin Mower—With two 20-in. power driven side units. The Twin is built for extra heavy duty work. It has tremendous power and durability to withstand long periods of the most severe service. It is the ideal mower where large areas must be mowed frequently and within a limited budget. It brings the per acre cost of mowing to a low figure. Like other Jacobsen Heavy Duty models, it has the enclosed gear drive, auto type differential, cutting unit safety clutch, reel power reverse sharpening device, and separate reel and traction clutches. It is available with or without riding sulky and power driven side units.

Baby Chicks

BACKED BY A 10-YEAR MASTER-MATING PROGRAM



There's no need to risk your money or take chances on chicks of common breeding when you can invest in proven stock at a reasonable price and be safe.

Ramseyer "Master-Mated" Chicks—the choice of thousands of successful poultry raisers, come to you with a breeding heritage that assures you vigorous, fast growing stock—uniform development—early maturity—high flock average production of large eggs.

Ramseyer "Master-Mated" Chicks have consistently won Grand Championship at the Iowa Chick Show (6 consecutive years). Outstanding winnings at other leading chick and egg shows. Likewise the breeding stock has a notable record at Egg-Laying Contests throughout the country.

All matings are U. S. Approved—Pullorum Tested—and unusual sanitation combined with scientific hatching produces chicks that are healthier—more vigorous—easier to raise.

SECRET IS IN THE BREEDING

For years we have consistently developed the production quality of our strains by the introduction of pedigreed males at a high cost—from the nation's leading specialty breeders. This intensified breeding and special mating is producing high flock averages—more profits for raisers of our Standard Grade, Silver Certificate and Gold Certificate Grade Chicks.



Ramseyer

"MASTER-MATED" CHICKS
INVEST FOR A BIGGER RETURN . . . MORE
CASH INCOME FROM POULTRY AND EGGS

Since the cost of a chick represents only 10% of your investment in housing, feed, equipment, etc., it pays to invest in dependable stock, with a proven record of production, and be assured of bigger cash return from the other 90% of your investment.

REGULAR STANDARD GRADE—Hatched from 2-oz. eggs from select flock matings that measure up to our rigid requirements for health, vigor, egg-production and exhibition qualities.

SILVER CERTIFICATE GRADE—Special Production Matings. Sires heading these flocks are from dams having laid 150 eggs in their pullet year (heavy variety and 200 or more eggs in White Leghorn varieties).

GOLD CERTIFICATE GRADE—Top-notch egg-production grade. Sires heading these matings in White Rocks, S. C. Reds, and Barred Rocks, all come from dams that laid 175 or more eggs (many over 225 eggs) under the trapnest in their pullet year. White Leghorns over 225 eggs, and many over 250 eggs. The other varieties are not headed by trapnested stock, but are outstanding matings in each breed, selected for their egg production and exhibition qualities.

PRICES

Owing to the uncertainty of prices in early January when this catalog was being printed, no prices are given in this book. Special chick price list will be issued in early February. Please write for price list or if convenient call and let us talk over your needs.

POULTRY FEED AND SUPPLIES

See our Cackler and Price List for prices on a complete list of feeds. The Cackler is issued at intervals so that our customers may be kept informed of prevailing market prices. All prices printed in this book are subject to change without notice. All quotations are F. O. B. St. Paul. If goods are to be sent by Parcel Post add postage.

Charcoal

Charcoal is one of the greatest disease preventatives for poultry. It aids in digestion, purifies the blood and regulates the bowels, fowls young and old should have access to it at all times. In three sizes—fine, medium or coarse. 25 lbs., 70c; 50 lbs., \$1.20; 100 lbs., \$2.25.

Oyster Shell

Contains carbonate of lime, of the same composition as eggshell. As other feeds contain very little of this mineral matter, the hens need Oyster Shell at all times, to produce eggs. 25 lbs., 35c; 50 lbs., 60c; 100 lbs., \$1.00.

Mica Crystal Grit

Is a necessary aid in digestion for both small and large birds. Keep before the fowls at all times. Two sizes—fine and coarse. 25 lbs., 40c; 50 lbs., 75c; 100 lbs., \$1.40.

Purina Checkerboard Feeds

Strictly quality feeds—plus Pur-A-tene which steps up Vitamin A activity $2\frac{1}{2}$ times.

Chick Startena	Lay Chow Mash	Fatena
Chick Chow	Turkey Startena	Fox Chow
Chick Growena	Turkey Growena	Mink Chow
Growing Chow	Hen Chow	Rabbit Chow
Layena	Family Flock	Dog Chow

Prices are listed on special Feed Price List. Quantity prices quoted on request.

Foust's Pigeon Health Grit

Gives health, vim and vigor to both young and old birds. Raisers have found it unequalled as a tonic and for fattening squabs. 25 lbs., 75c; 50 lbs., \$1.35; 100 lbs., \$2.50.

Dried Buttermilk

Dried Buttermilk is pure fresh buttermilk with water only removed and nothing else added. 12 lbs., \$1.00; 25 lbs., \$1.85; 50 lbs., \$3.60; 100 lbs., \$7.00.

Animal-Poultry Yeast Foam

Gives the vim to the chicks to grow and hens to lay. Assists the birds in digesting their food, especially the starches found in such large quantities in all poultry feeds. 4-lb. containers, postpaid, \$1.00.

Purity Stock and Poultry Yeast

Means more eggs, more vitality in your flock. Prevents bloat and scours in cows or calves. 10 lbs., \$1.50.

Pure Norwegian Cod Liver Oil

This is the highest grade of oil for poultry and stock only. 1 qt., 50c; $\frac{1}{2}$ gal., 85c; 1 gal., \$1.35. Prices in your own container or in a 30-gallon barrel, quoted on request.

Pulvex

Pulvex is a non-poisonous powder to use on any animal including canaries; particularly dogs, cats, foxes, poultry and large animals to control lice, fleas, ticks and mites. Prices: $\frac{1}{4}$ oz. size, 25c; 2 oz., 50c; 12 oz., \$1.25.

Sodium Fluoride

The U. S. Department of Agriculture highly recommends the use of Sodium Fluoride, a fine powder, for freeing the fowls of lice. One application will entirely rid the birds of lice. 1 lb. treats about 125 birds. 1 lb., 50c.

Stanfield's Lice-Kill

Kills body lice on chickens, head lice on chicks; also used for scaly leg. One of the best lice-killers; guaranteed to kill every louse on the fowl or money will be refunded. Tube, for 200 fowls (postpaid), 60c. Two tubes (postpaid), \$1.00.

Gold Leaf Tobacco Powder

Controls poultry round worms. 2 lbs., 25c; 10 lbs., \$1.00; 60 lbs., \$5.00.

Epsom Salts

For poultry. 1 lb., 10c; 5 lbs., 30c.

Avenarius Carbolinum

Kills and stops the propagation of chicken mites or fowl ticks in poultry houses for a whole year. Disinfects deep cracks and crevices, where vermin and disease germs propagate. One gallon covers 100 to 200 sq. feet. Preserves wood against rot. 1 gal., \$1.50.

Avicol

Your loss of baby chicks CAN BE STOPPED—easily, quickly. Avicol is a special bowel antiseptic. It stops disease and prevents its spread by destroying germ life and helping the chicks withstand infection. Price, 50c; special large size (almost 3 times 50c size), \$1.00.

Don Sung

A Mineral Compound that Scientifically Helps Nature. Don Sung is a balanced mineral conditioner. It improves the hen's health, tones up her egg-laying organs, and makes her stronger and more productive. Prices: Trial size, 50c; large size, \$1.00; holds 3 times the 50c size.

Group-Over. A Soothing Antiseptic

Roup is one of the most serious of poultry diseases. Keep Group-Over on hand and at the first symptoms of a cold in your flock, give it to every affected bird. It clears the air passages and brings relief with magic quickness. Easily given. Comes in a liquid form and a few drops does the work. Price 50c; large size (three times 50c size), \$1.00.

Walko Tablets

A wonder-working medicine for the treatment and prevention of White Diarrhea, Roup and Cholera. 50c, \$1.00 and \$4.00 sizes.

DR. HESS'S PREPARATIONS

Dr. Hess Poultry Pan-a-min. Acts as a corrective and tonic on the dormant egg organs as well as on the digestive organs. Contains internal antiseptics that counteract disease; small size, 25c; 3 lbs., 45c; 7 lbs., 95c; 15 lbs., \$1.90; 25 lbs., \$2.85; 100 lbs., \$9.40.

Dr. Hess Chick Tablets. For the treatment of diarrhea in either chicks or large fowl. 25c, 50c and \$1.00.

Dr. Hess Dip and Disinfectant. A sure germ and parasite destroyer, good as a dip or for spraying. One gallon of dip makes from 70 to 100 gallons of effective solution. 12-oz. size at 40c; 1 qt. 65c; $\frac{1}{2}$ gal., \$1.15; 1 gal., \$1.75.

Dr. Hess Poultry Tablets. Will help cure the most obstinate case of roup. 25c, 50c, and \$1.00.

Dr. Hess Hog Special. A conditioner and mineral supplement for hogs only. Acts as a general conditioner and appetizer. 1 $\frac{1}{2}$ lbs., 25c; 3 lbs., 45c; 7 lbs., 95c; 15 lbs., \$1.90; 25 lbs., \$2.85.

Dr. Hess Instant Louse Killer. Kills lice on poultry, horses and cattle, sheep ticks, bugs on cucumbers, squash and melon vines, cabbage worms, etc. 30c and 65c.

Dr. Hess Fly Spray. Will rid your barn of flies and mosquitoes. 2-qt. size 95c; 1 gal., \$1.50.

Dr. Hess Improved Stock Tonic. Makes ailing animals healthy—the whole herd thrifty—it expels worms. 3 lbs., 45c; 7 lbs., 95c; 15 lbs., \$1.90; 25 lbs., \$2.85; 100 lbs., \$9.40.

Dr. Hess Poultry Worm Powder. This is a single dose flock treatment which does not harm the birds or affect egg production. It is not necessary to starve birds before or to give laxative after treatment. 50-bird size, 50c; 100-bird size, 90c; 250-bird size, \$1.90; 500-bird size, \$3.00; 1,000-bird size, \$5.40.

Dr. Hess Poultry Worm Tablets. These are odorless, tasteless and non-toxic to poultry. The nicotine in the tablet is combined in such a manner that it is not released in the mouth, throat, crop or gizzard, but is released full strength in the intestine where the large worms live. 40-tablet size, 50c; 100-tablet size, \$1.00; 250-tablet size, \$2.00; 500-tablet size, \$3.50; 1,000-tablet size, \$6.50.

LEE'S PREPARATIONS

Lee's Gizzard Capsule. For Worms in Poultry. A capsule worm medicine for tapeworms, roundworms and pinworms. Prices: Adult size Gizzard Capsules: 50 capsules, 75c; 100 capsules \$1.25. Pullet size: 50 capsules, 50c; 100 capsules, \$1.00. The chick size: 50 capsules, 40c; 100 capsules, 75c, postpaid.

Lee's Lice Killer. In liquid form. Painted on the roosts, the vapor kills lice on the bodies of the chickens as they roost at night. Qt., 60c; 2-qt. size, 90c; 1 gallon, \$1.50.

Lee's Germozone. One of the very best remedies for poultry affected with colds, cholera, roup, bowel trouble, sour crop, sore head, etc. Add Germozone to the drinking water, thereby killing the germs that cause disease.

4-oz. liquid\$0.40 $\frac{1}{2}$ gallon, liquid.....\$2.50
12-oz. liquid75 Gallon, liquid 4.50
32-oz. liquid 1.50

Lee's Vapo-Spray

For the relief of coughs, due to colds and minor bronchial irritations in poultry and swine. Vapo-Spray is a combination of oils having a germicidal and soothing action. 1 qt., 75c; $\frac{1}{2}$ gal., \$1.25; 1 gal., \$2.00; 5 gal., \$8.75.

Egg-O-Latum for Preserving Eggs

Is a preservative of eggs, far superior to water glass, in preserving eggs. Eggs coated with Egg-O-Latum can be boiled, fried, poached or whipped the same as fresh eggs. Egg-O-Latum is colorless, odorless, tasteless and non-poisonous. 55c and \$1.10 jars, postpaid.

Carbola

Carbola is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. One pound covers 100 sq. ft. The dry powder is an excellent louse powder. 25 oz., 25c; 5 lbs., 60c; 10 lbs., 98c; 50 lb. bag, \$3.50.

Creokote. Disinfectant White Paint

Creokote disinfects and paints at one operation. Use the dry powder on dropping boards and in the nests in poultry houses. As a paint, 5 lbs. of Creokote will cover from 400 to 600 square feet of surface. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.50.

Chlorin 2000

A powerful germicide, disinfectant and deodorizer for home use or farm. A concentrated sodium hypochlorite solution for dairy and creamery sterilization. A few drops in the drinking water is a disease preventative for chicks or older fowls. 1 qt. 50c; 1 gal., \$1.25; 4 gals., in case, \$4.00.

B-K (Bacili-Kil)

Bacili-Kil or commonly called B-K is one of the most powerful germicides and disinfectants, being even more effective than pure carbolic acid and still non-poisonous. We do not hesitate to recommend it for general use in the home, poultry house or barns. Trial size, 30c; medium size, 50c; 1 qt. 90c; 1 gal., \$2.00; 5 gals., \$8.50.

Ray-Zem

Prevents blackhead in turkeys. Write for prices.

Acme Nicotine Poultry Delouser

Apply in the fall or by all means before brooding time in the spring. One pint treats 300 to 400 running feet of perches or 450 to 600 chickens. Price: 2-oz. tubes, 35c; 5-oz. tubes, 85c; pints, \$2.00; quarts, \$3.00; gallons, \$8.50.

"Black Leaf 40" for Poultry Lice

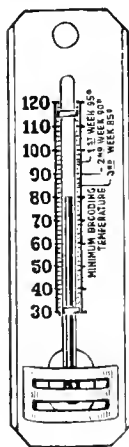
"Black Leaf 40" painted on the top side of the roosts controls body lice. Saves the labor of handling each bird either to dust, dip or grease. "Black Leaf 40" does not harm the birds nor retard egg production. Prices: 1-oz. bottle (treats 60 running feet of roost), 35c; 5-oz. bottle, \$1.00; 1 lb., \$2.25; 2-lb. tin, \$3.25; 5 lbs., \$5.85; 10-lb. tin, \$10.60.

Thermostat Wafers



Wafers to fit any incubator or brooder. State make of incubator or brooder when ordering.

Size, 3 inch. Each, 25c; 30c postpaid.
Size, 4 inch. Each, 35c; 40c, postpaid.



"Tycos" Incubator Thermometer

Is the most accurate and reliable thermometer on the market. Incubators are useless without a reliable thermometer.

No. 5770 is made with metal legs and can be adjusted to almost any position desired. Each, 50c.

No. 5774 is made to hang up or lay on top of eggs. Each, 50c. Add 10c for postage and insurance.

Brooder Thermometer

Its magnifying lens makes it easy to read accurately. Each, 40c. Add 10c for postage and insurance.

HUDSON FLOCK FEEDER

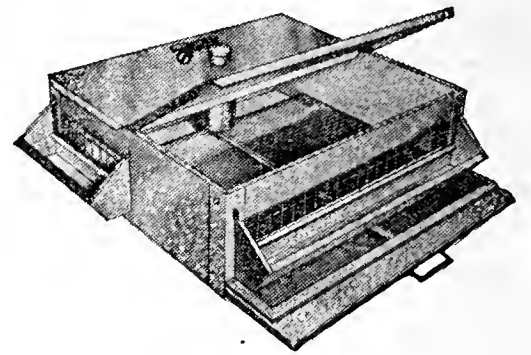


Heavy angle steel legs. Fitted with special rounded redwood perches, mite-proof, placed 16 1/2 inches from the floor. Complete. Each \$3.45

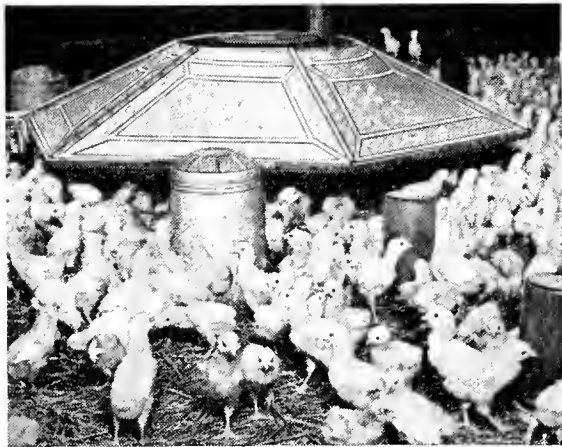
New hinged grill feeder of larger capacity and heavier construction than found elsewhere at its low price. Trough 9 inches wide, 4 1/2 inches deep, 5 feet long. All edges folded. Feed-saving lip. Capacity 40 pounds, 36 quarts. Will serve from 30 to 60 hens.

Electric Battery Brooders

Price \$4.00



This brooder has a capacity for up to 50 day-old chicks. Operates on any current, uses standard bulb, 60-watt or smaller. Floor is framed hardware cloth 1/2-in. mesh. Both tray and floor removable. Feeding trough in front; water trough at side; both removable.



Hudson Oil-Burning Brooder

Equipped with "silent" burner, has no soot, no carbon, no roar. No. 255, with 54-inch hover, for 500 to 1,000 day-old chicks. Complete, with oil tank stand \$20.15. No. 148, with 48-inch hover, "hushed-flame" burner, capacity, 300 to 600 day old chicks. Complete, \$16.45.

Lee Poultry Dosing Syringe

For administering medicines into the crop. Price, 30c postpaid.

Lee Poultry Nasal Syringe

For treating colds, roup and swelled head. Price, 75c postpaid.

Lee Veterinary Dosing Syringe

1 oz. capacity. Price, \$1.25 postpaid.

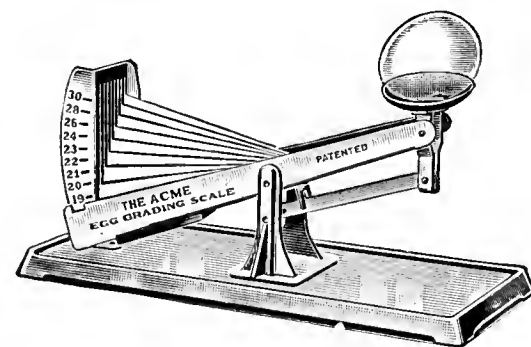
German Peat Poultry Litter

One bale covers about 350 sq. feet, one inch deep. Price, per bale, \$3.25.

Baby Chick Punches

For punching identification hole in web between the toes, punching a clean hole that will not bruise the foot.

Petty's25c Roger's Chick45c
Petty's Lever50c Moe's Ideal50c



Acme Egg Grading Scale

This grader is quick, automatic, accurate and easily read. \$2.35, postpaid.

The Unique Egg Grading Scale

An outstanding value in a low priced egg grader. \$1.40 each, postpaid.

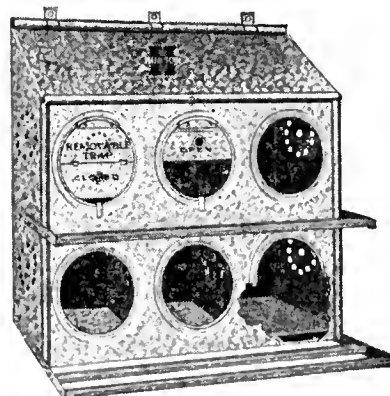
Hudson Sanitary Metal Nests

No. H6 Nest, 6 section, two tiers high, 36 1/2 in. long, 35 in. high, \$6.95.

No. H9 Nest, 9 section, three tiers high, 36 1/2 in. long, 50 in. high, \$9.95.

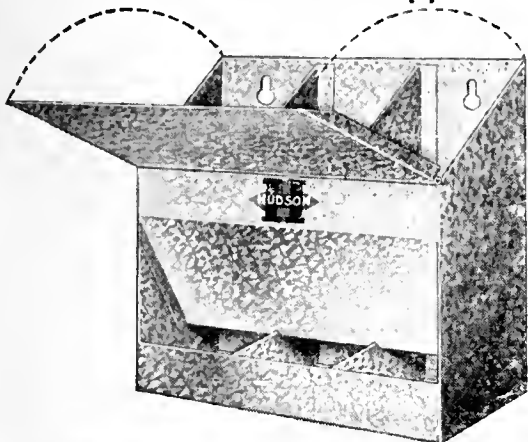
No. H10 Nest, 10 section, two tiers high, 61 in. long, 35 in. high, \$9.95.

No. H15 Nest, 15 section, three tiers high, 61 in. long, 50 in. high, \$14.95.



Extra Trap Nest Fronts. Each 40c.

Hudson Grit and Shell Hopper



The feeding of grit, ground shells and charcoal is recognized as an essential part of the diet for laying fowls. These are also ideal feed hoppers for small chicks. Slanting hinged cover prevents roosting. Made of heavy galvanized steel.
No. GB9—2 compartment. Width 9 inches...\$1.25
No. GB12. 3 compartment. Width 12 inches...\$1.45

Chick Fountains

Popular priced fountain in two sizes. Invert to fill, cupped pan snaps on securely. May be carried without spilling or over-running. Ribbed cone top prevents roosting.

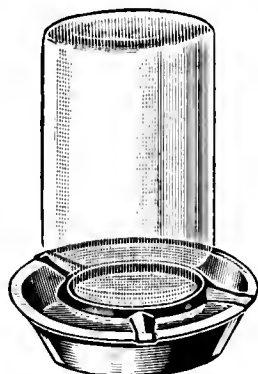
No. O1. 5 qt. Each.....60c
No. O2. 2 gal. Each80c

Mason Jar Chick Fountains

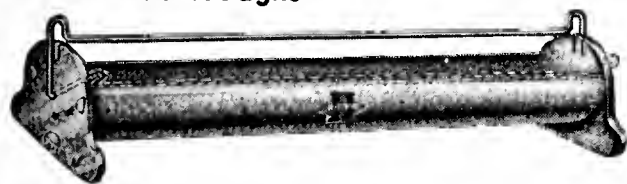
For water, milk or buttermilk.

Galvanized, enameled, or charcoal tin. Fits standard pint, quart, or two-quart Mason jars. Without jar, each, 8c; dozen, 80c.

Glass base fountain made of heavy clear glass moulded with smooth edge. Without jar, each, 10c; dozen, \$1.00.



Chick Feed Troughs

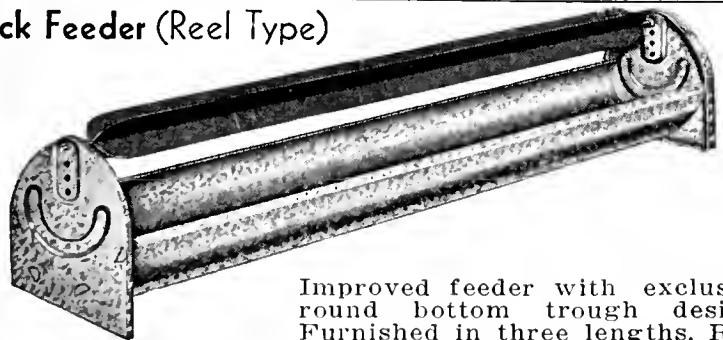


Turned in flange at trough edge prevents feed waste. Wire guard rod prevents chicks getting into

trough and may be swung to side for convenience in cleaning and filling. Adjustable for starting and growing chicks.

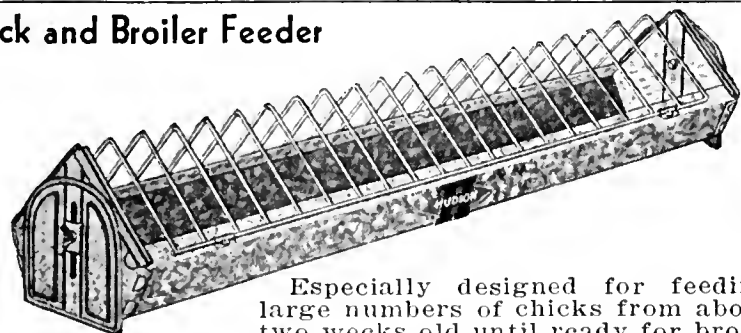
No. N24—Feeder, 24 inches long. Each.....\$0.25

Chick Feeder (Reel Type)



Improved feeder with exclusive round bottom trough design. Furnished in three lengths. Reel adjustable to four positions, suitable for day old to six weeks old chicks. The feed constantly moves toward the center for easy accessibility. Extra capacity trough.
No. 324. Length 24 in. Each 45c.
No. 336. Length 36 in. Same as above excepting furnished with adjustable metal ends. Each, 55c.

Chick and Broiler Feeder



Especially designed for feeding large numbers of chicks from about two weeks old until ready for broiler market. Heavy gauge galvanized iron.
No. 730—Feeder. Length 30 inches. Each.....\$1.00

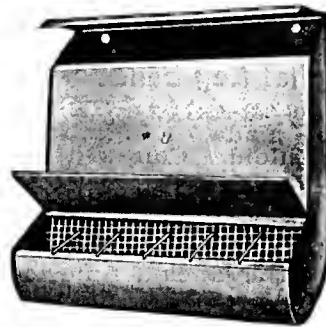
Window-Tex (Glass Cloth)

Genuine patented waterproof cloth through which ultra-violet rays pass, for covering poultry house windows, screen doors, barn windows, hotbeds, etc. Window-Tex lets in the health-building ultra-violet rays and withstands all kinds of weather. Will last for years. 10 sq. yards, \$2.50, postpaid.

Dry Mash Hopper

Gives you a feeder that prevents any possibility of waste. Never gets clogged up, yet it can feed coarse as well as fine mash. Has lid that will keep the rats and mice out at night.

No. 35—8½ inches wide.....\$1.25
Shipping weight 7 lbs.
No. 36—12 inches wide..... 1.60
Shipping weight 9 lbs.
No. 37—24 inches wide..... 2.35



Handy-Fill Chick Fountain

Handy-Fill Chick Fountain with exceptional water capacity at an attractive price. Reversible bail for easy filling and cleaning. Drinking pan of special Hudson design. One-piece, rolled edge trough especially designed for small chicks, of no-spill design.

No. C2, 2 gal.....Each \$1.15
No. C3, 3 gal.....Each 1.35

Chick Fountain

A fountain that is easily cleaned, cone top preventing roosting. Equipped with self-closing valve. New design of trough prevents waste and moisture accumulation.
No. D2. 2 gal. Each.....\$1.35
No. D3. 3 gal. Each..... 1.80



Hudson Flock Fountain

Top filled. Double wall keeps water cold in summer and retards freezing in winter. Operates on vacuum principle. Feeds automatically. Small automatic valve prevents pan overflowing while being filled. For growing chicks and grown birds.

No. D5—Fountain, 5 gal. Each\$2.75
No. D3—Fountain, 3 gal. capacity. Each.... \$1.80
No. D2—Fountain, 2 gal. capacity. Each....\$1.35



Lamp Heated Fountain

A five-gallon lamp heated fountain for winter or summer use. The fountain is of the double jacket, slip-cover type with drinking pan all the way around. Equipped with valve so that inner tank may be used as a pail or bucket when filling. Fountain designed to be lifted from base to attend to lamp.

No. D5H—Fountain, 5 gal., complete with large Simplex flueless single burner lamp\$4.25
No. L5H—Float controlled, lamp heated fountain. Each.....\$5.60
No. L8H—Float controlled, lamp heated fountain. Each.....\$7.00
Stand and legs for 5 and 8 gal. size, \$2.70.



Beise Fountains

Are one of the most popular makes that we sell, being favored by poultry raisers on account of the ease in which they can be filled, and serviceable make-up.

2-gallon size\$0.80 | 3-gallon size\$0.90
4-gallon size 1.00

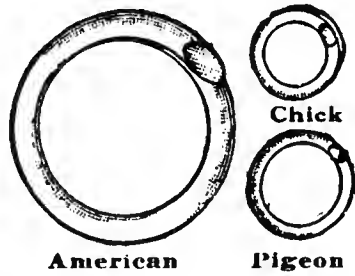
LEG BANDS (In Any Size)

Please Note. When ordering be sure to state the color desired, also for what breed of birds wanted to avoid a mistake in the size. Include postage for parcel post charges.

Spiral Leg Bands

The spiral bands we offer are made of highest quality celluloid. Colors are: White, Blue, Green, Yellow, Red, Pink, Light Blue, Cerise, Purple, and Black.

Size	doz.	25	100	1000
Chick, Pigeon, Bantam	\$.10	\$.15	\$.50	\$ 3.00
Mediterranean, American	.10	.20	.60	4.35
No. 12 Asiatic	.15	.25	.70	5.50
No. 13 Asiatic	.15	.25	.85	6.50
No. 14 Turkey	.20	.35	1.00	7.50
No. 16 Turkey	.25	.45	1.40	10.00



Bandettes A Celluloid Numbered Band.

Bandettes are easily and quickly applied, simply open out band, hook it on leg, and allow it to close. Bandettes are made of special SPRING CELLULOID. The inside being smooth, Bandettes cannot hurt or chafe the legs. Colors are fast and will not fade. We have: Blue, red, yellow, green, numbered Bandettes 1 to 500, in sets of 25 only.

25 in a set—Sold only in unbroken sets.

No. 4—Baby Chick	25 for 35c;	100, \$1.20
No. 5—Pigeon	25 for 40c;	100, 1.40
No. 6—Pigeon	25 for 40c;	100, 1.40
No. 7—Bantam	25 for 50c;	100, 1.60
No. 9—Leghorn	25 for 60c;	100, 1.80
No. 11—American	25 for 60c;	100, 1.80
No. 12—Asiatic	25 for 60c;	100, 1.80

Economy Colored Poultry and Pigeon Band

The Best Band for Exhibition Purposes

Colors: Red, Blue, Pink, White, Yellow, Green, Purple. Sizes 4 and 5 for Pigeons; 5, 10c; 10, 20c; 25, 40c; 50, 65c; 100, \$1.25. Size 9 for Mediterranean; size 11 for American breeds; size 12 and 13 for Asiatic; size 14 and 16 for Turkeys; 5, 15c; 10, 25c; 25, 60c; 50, \$1.10; 100, \$2.00.

Farmer's Friend Egg Carrier

Is one of the most popular and convenient carriers made for shipping eggs by Parcel Post or Express. Its solid wood walls protect eggs against breakage even in rough handling. Is light in weight, yet very durable.

Size	Each	Size	Each
6 doz. (Wt. 5 lbs.)	\$.80	15 doz. (Wt. 9 lbs.)	\$1.10
12 doz. (Wt. 8 lbs.)	1.00		

Continental Folding Egg Carton

Is the cheapest carton on the market yet its cushion-like construction makes it very safe for the protection of eggs against breaking.

1 doz. (weighs 3 lbs.)	\$.30	250 in carton	\$4.25
100 (weighs 22 lbs.)	2.00	1,000	16.00

Save All Egg Cartons

Are made light, yet safe for sending eggs by Parcel Post. The outside corrugated box and inside egg filler make it doubly safe in shipping eggs. Cartons are sent to you folded, but can be put into shape in a second. Makes a strong and safe carton for sending domestic or hatching eggs.

1 doz. size, 15c each	doz.....\$1.50	25.....\$2.50
2 doz. size, 20c each	doz..... 2.25	25..... 4.00
3 doz. size, 30c each	doz..... 3.00	25..... 5.50

3x4 Egg Cartons

A square shaped, two-piece egg carton.

1 doz.	\$.15	250	\$2.10
2 doz. ....	.25	1000	7.50
125	1.10		



Fleischmann's Irradiated Dry Yeast

Helps to keep your dog in wonderful condition, to eliminate skin trouble and intestinal disorders and to give your dog a finer, glossier coat. Just add a teaspoonful to his daily diet. 3 1/2 oz., 25c; 8-oz. can, 50c; 1 lb., 85c.

BIRD SEED

In the quality and kind of seed you give your bird depends his health and song, and it is of the greatest importance to get good seed. More birds lose their song from the wrong kind of food or poor seed than from any other cause. Buy good seed and you will continue to have a happy singing bird. The seed we offer is carefully selected and of the highest quality. We shall be pleased to quote you in larger amounts than those we have listed.

Bird Seed	1 lb.	5 lbs.	10 lbs.
Canary Bird, Gould's Mixture	\$.15	\$0.60	\$1.15
Love Bird Mixture	.15	.60	1.15
Canary	.15	.70	1.30
Hemp	.15	.70	1.30
Millet	.10	.35	.70
Rape	.15	.70	1.30
Sunflower	.15	.60	1.15
Lettuce Seed	.40	1.75	3.25
Thistle Seed	.45	2.20	4.25
Poppy Seed	.20	.75	1.25
Bird Gravel (bulk)	.05	.25	.45
Cuttle Bone (small size)	Oz. 10c;	1/4 lb. 25c	
Cuttle Bone (medium and large)	Oz. 15c;	1/4 lb. 50c	

We also have canary feed, drinking and treat cups, bird baths, and canary leg bands.

Bird Remedies and Feeds—Fish Food

Bird Bitters	25c	Lice Powder	25c
Bird Nesting	10c	Mite Powder	25c
Bird Tonic	25c	Moulting Food	25c
Nestling Food	10c	Song Restorer	25c
Health Food	25c	Sore, Scaly Leg Oil	25c
Hemp & Peppers	10c	Fish Food	10c

We carry a complete line of American Brand Bird Products.

RABBIT SUPPLIES

Carey's Rabbit Salt Spools. Sulphurized or mineralized. Each, 6c; doz., 60c; postpaid, 75c; 100, \$5.00.

Rabbit Feeders (stoneware)20c and 25c each
Rabbit Waterers (stoneware)20c and 25c each

SERGEANT'S DOG MEDICINES

We carry a complete line of the famous Sergeant's Dog Medicines. Ask for free Dog book.

Purina Dog Chow

Purina Dog Chow is a complete food made of dried meat, dried milk, wheat germ, barley malt, Cod Liver Oil and other health building ingredients. Dogs love it. It's good for them. To suit your dog's taste, Dog Chow comes in two forms, listed below. Feed either one or both for variety.



Dog Chow Checkers

Little nuggets of food pressed together. Dogs love to chew them. It satisfies their natural desire to gnaw.

100 lbs.	\$7.50
25 lbs.	2.25
5 lbs. ....	.55

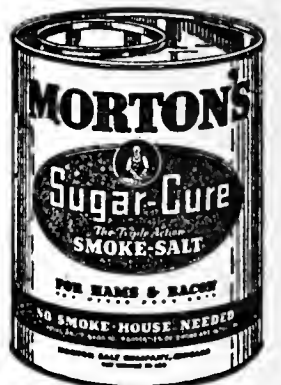
Dog Chow Meal

Complete food in granular form. Simply stir in warm water, milk, soup, etc., and serve.

100 lbs.	\$6.25
25 lbs.	1.75
5 lbs. ....	.50

Morton's Smoke Salt

Morton's Smoke Salt does the entire job of salting, sugar-curing and putting the appetizing flavor of wood smoke into your hams and bacon. It does all three at the same time—salt, sugar-cure and smoke. 2 lbs., 25c; 10 lbs., \$1.00.



Morton's Tender-Quick

A special meat cure for beef, veal, mutton, lamb, fish, fowl, pork specials, wild game, etc. Cures faster—improves flavor—makes meat more tender. 2 1/2 lbs., 50c; 10 lbs., \$2.00.

Morton's Seasoning

That extra something that makes good cooking taste better. 3 ozs., 10c; 10 ozs., 25c.

Morton's Meat Pump	.....\$1.50
Morton's Meat Thermometer	..... 1.00

Gould's Reliable Seeds

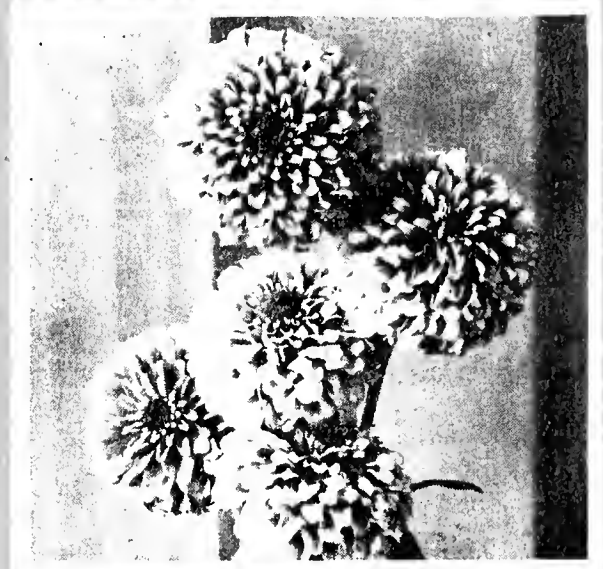
Outstanding New Flowers for 1938



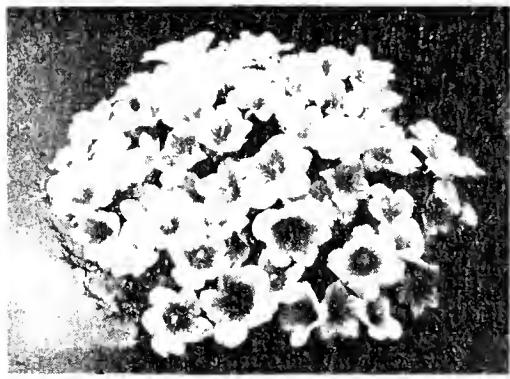
PETUNIA, Burgundy, Single Plain Edged—Received Special Mention 1937 A.A.S.A. A strong growing type with very showy flowers, 3½ inches across, of rich wine red, contrasting with white throat. Pkt., 25c.



PETUNIA, Salmon Supreme—Received highest All-America Award 1938. The flowers are a glistening salmon-pink. Blooms are 2 inches across, plants about 1 foot high and a spread of about 1½ feet. Pkt., 35c.



ZINNIA, Navajo—Another new Zinnia type. The flowers are very attractive, about 2 inches in diameter, a good size for cut flower, on stems of medium length. Plants are about 2 feet tall and very free flowering. Flower 45 days after the seed is sown. Mixed colors. Pkt., 15c.



NIEREMBERGIA, Hippomanica—A most charming plant, 5 to 6 inches tall, with lovely lavender blue flowers, heightened by a touch of yellow in the center. Blooms 15 weeks from seeding, until heavy frost. Likes full sun. Has a spread of 8 to 10 inches. A half hardy perennial. Pkt., 35c.



SCABIOSA, Salmon Beauty—This new giant annual Scabiosa of pure salmon color is the result of 12 years of work. The charming Salmon Beauty has all the vigor of the popular Loveliness. Pkt., 25c.



AGERATUM, Fairy Pink—A dwarf compact plant of a delightful soft salmon rose pink color. Begins blooming when 2 inches high, and at its maximum height of 5 inches, forms a solid compact mass of blooms. Pkt., 25c.



CENTAUREA, Jubilee Gem—Received 1937 All-America Award of Merit. Plants are of neat, dwarf, compact growth, about 1 foot tall, and literally covered with vivid blue, double blooms. Fine for rockery, garden and as a pot plant. Pkt., 25c.



TAGETES, Signata Pumila Gnome—The newest of the popular Tagetes family of Miniature Marigolds. Plants are only 6 inches high, covered with golden yellow flowers all summer. Pkt., 25c.



CUPHEA, Firefly—A new, dwarf, compact plant, about 10 inches high for rockery, window boxes, flower pots or border. The delicately formed flowers of fiery cerise red color are freely produced, from mid-summer on. A tender annual. Start indoors for early blooms. Pkt., 25c.